FEMI.209: 010191

FLOOD INSURANCE STUDY

COMPLETED

SHELBY COUNTY, ALABAMA
UNINCORPORATED AREAS

MARCH 16, 1982

Federal Emergency Management Agency

COMMUNITY NUMBER -010191

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PUBLISHED SEPARATELY:

Flood Insurance Rate Map Index
Flood Insurance Rate Map

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FLOOD INSURANCE STUDY
SHELBY COUNTY, ALABAMA

1.0 INTRODUCTION

1.1 Purpose of Study

This Flood Insurance Study investigates the existence and severity of flood hazards in the unincorporated areas of Shelby County, Alabama and aids in the administration of the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973. This study will be used to convert Shelby County to the regular program of flood insurance by the Federal Emergency Management Agency (FEMA). Local and regional planners will use this study in their efforts to promote sound flood plain management.

In some states or communities, flood plain management criteria or regulations may exist that are more restrictive or comprehensive than those on which these Federally-supported studies are based. These criteria take precedence over the minimum Federal criteria for purposes of regulating development in the flood plain, as set forth in the Code of Federal Regulations at 44 CFR, 60.3 (d). In such cases, however, it shall be understood that the state (or other jurisdictional agency) shall be able to explain these requirements and criteria.

1.2 Authority and Acknowledgments

The source of authority for this Flood Insurance Study is the National Flood Insurance Act of 1968 and the Flood Disaster Protection Act of 1973.

The hydrologic and hydraulic analyses for this study were performed by Law Engineering Testing Company for the Federal Emergency Management Agency, under Contract No. H-4636. This study was completed in March 1981.

1.3 Coordination

Streams requiring detailed study were identified at a meeting attended by representatives of the study contractor, FEMA and representatives of Shelby County in March 1978. Contact was maintained during the course of this study with the East Alabama Regional Planning and Development Commission, the Mobile District of the U.S. Army Corps of Engineers (COE), the United States Geological Survey (USGS), the Soil Conservation Service, (SCS) and Shelby County.

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On October 19, 1981, the results of the study were reviewed at the final meeting attended by representatives of the study contractor, FEMA and community officials. The study was acceptable to the community.

2.0 AREA STUDIED

2.1 Scope of Study

This Flood Insurance Study covers the unincorporated areas of Shelby County, Alabama. The area of study is shown on the Vicinity Map (Figure 1).

The limits of detailed and approximate studies in Shelby County were determined by FEMA with community and study contractor consultation during the meeting in March 1978.

Flooding caused by overflow of the Cahaba River, Bishop, Buck, Kelly, and Bear Creeks, Walthall Branch, Locust, Beeswax, and Little Beeswax Creeks, and the Waxahatchee and Yellowleaf basins were studied in detail.

Approximate methods of analyses were used to study those areas having a low development potential or a minimal flood hazard. The areas studied by detailed methods were selected with priority given to all known flood hazard areas, and areas of projected development or proposed construction through 1986.

2.2 Community Description

Shelby County is located in central Alabama, south-southeast of Birmingham and Jefferson County. The county has an area of approximately 800 square miles and a population of 58,000 in 1978 (Reference 1).

Shelby County is largely agricultural but has a substantial manufacturing base with products including cement, lime, denim, iron and steel. Many county residents, however, commute to Birmingham.

Most of Shelby County drains southward to the Coosa River by Kelly, Yellowleaf and Waxahatchee Creeks, and their tributaries. Bishop and Buck Creeks drain the northern portion, emptying into the Cahaba River which flows southwesterly along the Jefferson County border. The county lies primarily in the Coosa valley and ridge province, which has gently rolling to slightly mountainous terrain. The average annual precipitation in the region is approximately 55 inches. Mean temperatures range from about 80 degrees F in summer to about 48 degrees F in winter.

2.3 Principal Flood Problems

Flooding problems are widespread due to the number and nature of streams in Shelby County. Flooding is particularly prevalent along certain reaches of lower Yellowleaf Creek and tributaries of the Cahaba River. The potential for flood damage as a whole is minimal due to the lack of development along most of the county's study streams.

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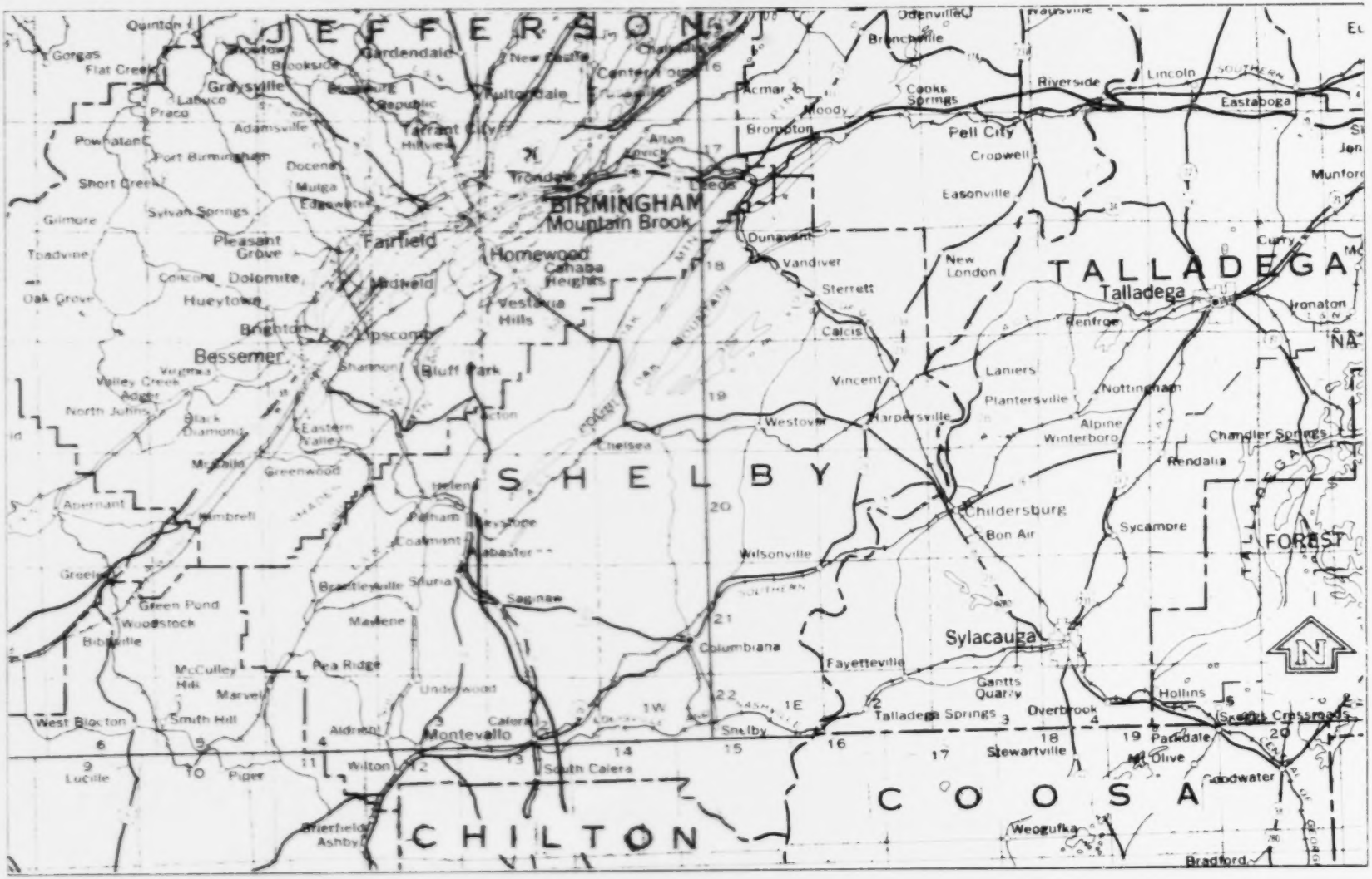

FIGURE 1

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

APPROXIMATE SCALE

8 0 8 16 24 MILES

VICINITY MAP

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2.4 Flood Protection Measures

At the present time, there are no flood protection measures affecting Shelby County.

3.0 ENGINEERING METHODS

For the flooding sources studied in detail in the community, standard hydrologic and hydraulic study methods were used to determine the flood hazard data required for this study. Flood events of a magnitude which are expected to be equalled or exceeded once on the average during any 10-, 50-, 100-, and 500-year period (recurrence intervals), have been selected as having special significance for flood plain management and for flood insurance premium rates. These events, commonly termed the 10-, 50-, 100-, and 500-year floods, have a 10, 2, 1, and 0.2 percent chance, respectively, of being equalled or exceeded during any year. Although the recurrence interval represents the long term, average period between floods of a specific magnitude, rare floods could occur at short intervals or even within the same year. The risk of experiencing a rare flood increases when periods greater than one year are considered. For example, the risk of having a flood which equals or exceeds the 100-year flood (one percent chance of annual occurrence) in any 50 year period is about 40 percent (four in 10), and for any 90 year period, the risk increases to about 60 percent (six in 10). The analyses reported here reflect flooding potentials based on conditions existing in the community at the time of completion of this study. Maps and flood elevations will be amended periodically to reflect future changes.

3.1 Hydrologic Analyses

Hydrologic analyses were carried out to establish peak discharge-frequency relationships for floods of the selected recurrence intervals for each flooding source studied in detail affecting the county.

Equations have been developed by Olin and Bingham (Reference 2) for estimating peak flows for the 10-, 50-, and 100-year floods on natural streams in Alabama. These flows were used on streams with drainage areas of 1 to 15 square miles. Flood frequency relationships developed by Hains (Reference 3) were used when the drainage area was between 25 and 800 square miles. When the watershed was between 15 and 25 square miles, peak flows were computed by combining the two methods using a weighted average based on drainage area. The 500-year flows were detemined by extrapolating the 10-, 50-, and 100-year peak flows using a least squares fit.

The Sauer Method (Reference 4) was used to adjust the natural flow to account for the effects of urbanization. This method relates the peak discharge for any return interval to the percentage of impervious area in the watershed and the average rainfall intensity ratio of the 10-, 50-, and 100-year storms to the 2-year storm.

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Land use for each watershed was determined from aerial photos (Reference 5), USGS quadrangles (Reference 6) and field inspection. The precent impervious area for any given residential or commercial land use was obtained from the Soil Conservation Service, Technical Release No. 55 (Reference 7).

The peak discharge-drainage area relationships for the selected recurrence intervals are presented in Table 1, "Summary of Discharges."

TABLE 1 - SUMMARY OF DISCHARGES

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
CAHABA RIVER					
Upstream from confluence of Piney Wood Creek	369.0	21,240	36,210	44,100	57,260
Upstream from confluence of Buck Creek	260.0	16,930	28,740	34,980	45,350
BUCK CREEK					
At Interstate Highway 65 Bridge	5.7	1,640	2,500	2,900	3,750
BISHOP CREEK					
At Interstate Highway 65 Bridge	21.6	3,120	5,430	6,620	8,650
YELLOWLEAF CREEK					
At Southern Railway Bridge	179.0	13,630	22,490	26,780	35,000
FOURMILE CREEK					
At mouth	15.2	2,300	3,970	4,800	6,280
MUDDY PRONG					
At mouth	37.0	6,790	11,080	13,150	17,150
SOUTH FORK YELLOWLEAF CREEK					
Upstream from confluence of North Fork	44.6	5,230	8,840	10,640	13,930
Downstream from confluence of Salster Branch	25.0	4,300	6,950	8,200	10,710
BOLIVAR CREEK					
At mouth	4.7	1,150	1,850	2,180	2,830
Upstream from County Road 39	2.5	660	960	1,100	1,400

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TABLE 1 - SUMMARY OF DISCHARGES - cont.

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
NORTH FORK YELLOWLEAF CREEK					
Upstream from confluence with South Fork	43.8	7,390	12,190	14,530	18,980
Upstream from confluence of Spencer Creek	26.5	5,370	8,940	10,710	13,990
LITTLE CREEK					
At mouth	8.5	1,950	3,050	3,550	4,610
Upstream from confluence of Hargis Retreat Creek	4.3	1,310	1,960	2,240	2,890
HARGIS RETREAT CREEK					
At mouth	2.8	1,070	1,530	1,730	2,210
SPENCER CREEK					
At mouth	6.6	1,520	2,440	2,870	3,720
Upstream from confluence of Charob Lake Creek	2.7	800	1,250	1,470	1,900
YELLOW CREEK					
At mouth	0.5	300	430	490	620
WAXAHATCHEE BIG CREEK					
At mouth	46.3	3,760	6,190	7,380	9,630
Upstream of confluence of Wolf Creek	18.0	2,550	4,300	5,160	6,750
At confluence of Wildwood Creek	13.4	2,380	3,930	4,670	6,090
CAMP BRANCH					
At mouth	35.9	3,250	5,350	6,370	8,330
Upstream from Southern Railway Bridge	21.0	2,510	4,240	5,090	6,670
WOLF CREEK					
At mouth	12.3	2,210	3,660	4,350	5,690
WILDWOOD CREEK					
At mouth	4.3	1,300	1,980	2,290	2,940
KELLY CREEK					
Downstream from confluence of Glade Branch	195.8	18,190	30,250	36,170	47,270
Upstream from confluence of Bear Creek	135.2	14,800	24,410	29,070	38,000

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TABLE 1 - SUMMARY OF DISCHARGES - cont.

FLOODING SOURCE AND LOCATION	DRAINAGE AREA (sq. miles)	PEAK DISCHARGES (cfs) 10-YEAR	50-YEAR	100-YEAR	500-YEAR
BEAR CREEK					
At mouth	39.0	5,430	8,950	10,650	13,910
Upstream from confluence of Hurricane Branch	29.6	4,630	7,650	9,120	11,920
BEESWAX CREEK					
At County Road 61	18.4	2,980	5,010	5,990	7,830
Upstream from confluence of Tributary to Beeswax Creek	15.6	2,460	4,200	5,040	6,600
TIRBUTARY TO BEESWAX CREEK					
At mouth	1.7	690	1,000	1,150	1,470
LITTLE BEESWAX CREEK					
At mouth	9.1	1,760	2,900	3,450	4,500
TRIBUTARY TO LITTLE BEESWAX CREEK					
At mouth	0.8	420	600	680	860
WALTHALL BRANCH					
At mouth	5.4	1,130	1,900	2,270	2,960
LOCUST CREEK					
5200 ft. upstream from mouth	7.9	1,410	2,410	2,920	3,810

3.2 Hydraulic Analyses

Analyses of the hydraulic characteristics of the flooding sources studied in detail in Shelby County were carried out to provide estimates of the elevations of floods of the selected recurrence intervals along each of the flood sources.

Cross sections for backwater analyses of the county study streams were obtained from the negatives of aerial photographs taken in March 1978 at a scale of 1.0 inch equals 800 feet. The below-water sections were checked to obtain elevation data and structural geometry.

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Locations of selected cross sections used in the hydraulic analyses are shown on the Flood Profiles. For stream segments for which a floodway was computed (Section 4.2), selected cross section locations are also shown on the Flood Boundary and Floodway Map.

Channel roughness factors (Manning's "n") used in the hydraulic computations were chosen by engineering judgement and based on field observations of the streams and flood plain areas. Roughness values used for the study streams ranged from 0.04 to 0.075 for the channel and ranged from 0.045 to 0.19 for the overbank areas (Reference 8 and Reference 9).

Water-surface elevations for floods of the selected recurrence intervals were computed using the COE's HEC-2 step-backwater computer program (Reference 10). Flood profiles were drawn showing computed water-surface elevations to an accuracy of 0.5 foot for floods of selected recurrence intervals. The starting water-surface elevations for study streams were calculated at the mouth of the study streams using the slope-area method. All elevations are referenced from the National Geodetic Vertical Datum (NGVD) of 1929, formerly referred to as Mean Sea Level Datum of 1929; elevation reference marks used in this study are shown on the maps.

Coordination was maintained with Betz Converse Murdoch, the study contractor for the Jefferson County study. Law Engineering made efforts to match elevations previously determined for the Cahaba River by the Jefferson County Study. Elevations conflicted approximately seven feet near the county lines. A sensitivity analysis of Manning's "n" values, discharges, cross-sections, channel slope, and contraction-expansion coefficients was conducted to determine the cause of discrepancy. Discharge frequencies were also extended in time for USGS gages at Acton (#02423500) and Helena (#02423555) to determine stage-discharge relationships. The final results consisted of raising Manning's "n" values and extending cross sections to agree with the Jefferson County study.

The hydraulic analyses for this study were based on unobstructed flow. The flood elevations shown on the profiles are thus considered valid only if hydraulic structures remain unobstructed (i.e. free of debris), operate properly, and do not fail.

4.0 FLOOD PLAIN MANAGEMENT APPLICATIONS

The National Flood Insurance Program encourages state and local governments to adopt sound flood plain management programs. Therefore, each Flood Insurance Study includes a flood boundary map designed to assist communities in developing sound flood plain management measures.

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4.1 Flood Boundaries

In order to provide a national standard without regional discrimination, the 100-year flood has been adopted by FEMA as the base flood for purposes of flood plain management measures. The 500-year flood is employed to indicate additional areas of flood risk in the community. For each stream studied in detail, the boundaries of the 100- and the 500-year floods have been delineated using the flood elevations determined at each cross section; between cross sections, the boundaries were interpolated using topographic maps at a scale of 1:12,000 with a contour interval of 4 feet (Reference 11). In cases where the 100- and the 500-year flood boundaries are close together, only the 100-year boundary has been shown.

For the streams studied by approximate methods, the boundary of the 100-year flood was developed from normal depth calculations, the topographic maps referenced above, and information provided by residents along the study stream. The approximate elevations on the Coosa River used to designate backwater affecting the study streams were obtained from recent COE river profiles (Reference 12).

The boundaries of the 100- and 500-year floods are shown on the Flood Boundary and Floodway Map. Small areas within the flood boundaries may lie above the flood elevations, and, therefore, may not be subject to flooding. Owing to limitations of the map scale and/or lack of detailed topographic data, such areas are not shown.

4.2 Floodways

Encroachment on flood plains, such as artificial fill, reduces the flood-carrying capacity, increases the flood heights of streams, and increases flood hazards in areas beyond the encroachment itself. One aspect of flood plain management involves balancing the economic gain from flood plain development against the resulting increase in flood hazard. For purposes of the National Flood Insurance Program, the concept of a floodway is used as a tool to assist local communities in this aspect of flood plain management. Under this concept, the area of the 100-year flood is divided into a floodway and a floodway fringe. The floodway is the channel of a stream plus any adjacent flood plain areas that must be kept free of encroachment in order that the 100-year flood may be carried without substantial increases in flood heights. Minimum standards of FEMA limit such increases in flood heights to 1.0 foot, provided that hazardous velocities are not produced. The floodways in this report are presented to local agencies as minimum standards that can be adopted or that can be used as a basis for additional studies.

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The floodways presented in this study were computed on the basis of equal conveyance reduction from each side of the flood plain (Reference 13). The results of these computations are tabulated at selected cross sections for each stream segment for which a floodway was computed (Table 2).

As shown on the Flood Boundary and Floodway Map, the floodway widths were determined at cross sections; between cross sections, the boundaries were interpolated. In cases where the boundaries of the floodway and the 100-year flood are either close together, or collinear only the floodway boundary has been shown. Several portions of the floodway of the Cahaba River meander in and out of Shelby and Jefferson Counties and as a portion extends within the Helena corporate limits which was not included in this study.

The area between the floodway and the boundary of the 100-year flood is termed the floodway fringe. The floodway fringe thus encompasses the portion of the flood plain that could be completely obstructed without increasing the water-surface elevation of the 100-year flood more than 1.0 foot at any point. Typical relationships between the floodway and the floodway fringe and their significance to flood plain development are shown in Figure 2.

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Cahaba River								
A	108.02	314	10,297	4.5	352.6	352.6	353.6	1.0
B	108.22	305	9,844	4.8	352.8	352.8	353.8	1.0
C	108.55	720	15,566	3.0	353.7	353.7	354.7	1.0
D	108.85	286	8,496	5.5	354.3	354.3	355.2	0.9
E	109.38	325	8,803	5.3	356.4	356.4	357.3	0.9
F	109.64	312	9,196	5.1	357.6	357.6	358.5	0.9
G	109.87	384	9,775	4.8	358.6	358.6	359.5	0.9
H	110.10	348	9,833	4.8	359.8	359.8	360.7	0.9
I	110.51	359	10,022	4.7	361.5	361.5	362.4	0.9
J	110.85	282	8,798	5.3	362.7	362.7	363.6	0.9
K	111.17	423	12,620	3.7	364.0	364.0	364.9	0.9
L	111.56	467	15,341	3.1	365.2	365.2	366.2	1.0
M	112.05	272	8,903	5.3	366.3	366.3	367.3	1.0
N	112.40	260	9,239	5.1	367.8	367.8	368.8	1.0
O	112.83	366	11,937	3.9	369.3	369.3	370.3	1.0
P	112.86	369	11,988	3.9	369.5	369.5	370.5	1.0
Q	112.87	369	12,004	3.9	369.5	369.5	370.5	1.0
R	113.33	401	13,180	3.3	370.7	370.7	371.7	1.0
S	113.90	380	10,594	4.2	372.0	372.0	373.0	1.0

[1] Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAHABA RIVER

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Cahaba River continued								
T	114.18	370	10,707	4.1	373.0	373.0	374.0	1.0
U	114.76	355	11,522	3.8	374.7	374.7	375.6	0.9
V	114.98	388	12,202	3.6	375.1	375.1	376.0	0.9
W	115.39	387	11,795	3.7	376.2	376.2	377.1	0.9
X	115.69	732	20,869	2.1	376.9	376.9	377.8	0.9
Y	116.22	328	10,517	4.2	377.6	377.6	378.5	0.9
Z	116.79	401	12,088	3.6	379.5	379.5	380.4	0.9
AA	117.30	459	12,983	3.4	380.7	380.7	381.6	0.9
AB	117.83	393	12,057	3.6	381.9	381.9	382.8	0.9
AC	118.28	368	12,088	3.6	382.9	382.9	383.7	0.8
AD	118.87	520	15,900	2.7	384.1	384.1	384.9	0.8
AE	119.45	653	17,089	2.5	385.1	385.1	385.9	0.8
AF	120.23	386	11,765	3.7	386.6	386.6	387.4	0.8
AG	120.61	610	16,709	2.6	387.5	387.5	388.3	0.8
AH	121.25	335	11,136	3 9	388.5	388.5	389.3	0.8
AI	121.76	371	10,322	4.2	389.6	389.6	390.4	0.8
AJ	122.37	477	14,052	3.1	391.2	391.2	392.2	1.0
AK	123.11	341	12,349	3.5	392.6	392.6	393.6	1.0
AL	123.70	678	18,555	2.3	393.9	393.9	394.9	1.0

[1]Miles above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAHABA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Cahaba River (continued)								
AM	124.12	846	21,669	1.9	394.5	394.5	395.5	1.0
AN	124.53	404	13,642	3.1	395.1	395.1	396.1	1.0
AO	124.79	481	13,500	3.1	395.6	395.6	396.5	0.9
AP	125.62	514	13,864	3.0	397.8	397.8	398.7	0.9
AQ	126.14	390	11,372	3.7	399.2	399.2	400.1	0.9
AR[3]	126.58	364	10,763	3.9	400.6	400.6	401.5	0.9
AS[3]	126.93	346	11,095	3.8	401.8	401.8	402.7	0.9
AT	127.08	368/100[2]	11,535	3.6	402.2	402.2	403.1	0.9
AU	127.12	369	11,140	3.8	402.6	402.6	403.5	0.9
AV	127.52	899	15,825	2.6	403.3	403.3	404.2	0.9
AW	127.90	423/330[2]	12,199	3.4	404.1	404.1	404.9	0.8
AX[3]	128.15	452	13,812	3.0	404.8	404.8	405.6	0.8
AY[3]	128.59	486	13,823	3.0	405.6	405.6	406.5	0.9
AZ[3]	128.76	391	12,108	3.5	406.0	406.0	406.8	0.8
BA[3]	128.80	395	12,028	3.5	406.1	406.1	407.0	0.9
BB	129.21	383	11,764	3.6	407.2	407.2	408.1	0.9
BC	129.81	1,090	23,182	1.8	408.6	408.6	409.5	0.9
BD	130.28	577/510[2]	14,326	2.9	409.5	409.5	410.4	0.9
BE[3]	130.67	327	11,340	3.7	410.6	410.6	411.5	0.9

[1] Miles above mouth
[2] Total width/width within County Unincorporated Areas
[3] Outside County limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAHABA RIVER

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F P S)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Cahaba River (continued)								
BF[3]	130.70	323	11,233	3.7	410.7	410.7	411.6	0.9
BG[3]	131.13	350	11,444	3.1	412.0	412.0	412.9	0.9
BH[3]	131.43	437	12,500	2.8	412.7	412.7	413.6	0.9
BI	131.89	469/160[2]	12,171	2.9	413.9	413.9	414.8	0.9
BJ	132.33	492/450[2]	13,207	2.6	415.1	415.1	416.0	0.9
BK	132.59	403/360[2]	12,345	2.8	415.6	415.6	416.4	0.8
BL	132.93	659/250[2]	19,481	1.8	416.3	416.3	417.2	0.9
BM	133.04	552/280[2]	16,952	2.1	416.4	416.4	417.3	0.9
BN	134.44	415/80[2]	12,603	2.7	419.3	419.3	420.3	1.0
BO[3]	134.88	498	12,903	2.6	420.4	420.4	421.4	1.0
BP	136.24	634	14,241	2.3	423.6	423.6	424.6	1.0
BQ	136.52	988/680[2]	26,414	1.2	424.3	424.3	425.3	1.0
BR	136.83	1,003	25,446	1.3	424.7	424.7	425.7	1.0
BS	139.28	862/490[2]	15,724	2.0	427.3	427.3	428.3	1.0
BT	140.67	475	11,174	2.8	429.8	429.8	430.8	1.0
BU	141.49	871/780	23,931	1.3	430.6	430.6	431.6	1.0
BV	144.15	736/350[2]	12,740	2.4	433.8	433.8	434.7	0.9
BW	146.03	603	13,740	2.2	437.8	437.8	438.4	0.6

[1] Miles above mouth
[2] Total width/width within county
[3] Floodway outside county limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAHABA RIVER

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Buck Creek								
A	60,790	575	2,404	2.3	474.9	474.9	475.8	0.9
B	60,970	558	3,448	1.3	477.4	477.4	478.2	0.8
C	61,590	569	2,927	1.6	477.5	477.5	478.3	0.8
D	63,980	357	1,619	2.2	480.4	480.4	481.2	0.8
E	64,210	190	1,239	2.8	482.8	482.8	483.6	0.8
F	67,380	229	1,416	2.3	492.0	492.0	492.9	0.9
G	67,700	202	1,236	2.7	492.2	492.2	493.1	0.9
H	67,870	232	1,545	2.1	493.4	493.4	494.3	0.9
I	73,320	149	618	5.3	503.8	503.8	504.8	1.0
J	75,850	272	1,117	2.4	514.5	514.5	515.5	1.0
K	76,210	183	1,462	1.9	519.5	519.5	520.2	0.7
L	77,930	282	1,431	1.5	520.9	520.9	521.9	1.0
M	78,090	208	1,339	1.6	522.7	522.7	523.6	0.9
N	78,790	103	382	5.5	524.0	524.0	524.9	0.9
O	79,080	210	210	3.0	525.4	525.4	526.4	1.0
P	79,270	166	681	3.1	527.0	527.0	528.0	1.0
Q	79,760	376	887	2.4	527.9	527.9	528.7	0.8
R	80,020	239	1,129	1.9	530.0	530.0	530.8	0.8
S	81,090	139	552	2.9	531.2	531.2	532.2	1.0
T	81,260	63	469	3.1	536.8	536.8	536.9	0.1
U	83,570	279	788	1.5	549.0	549.0	549.8	0.8
V	84,380	29	193	6.1	553.0	553.0	554.0	1.0
W	84,570	42	230	5.1	554.2	554.2	555.0	0.8

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOODWAY DATA

BUCK CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Buck Creek (continued)								
X	85,270	32	226	5.2	560.7	560.7	561.6	0.9
Y	85,880	25	151	7.7	564.0	564.0	565.0	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

BUCK CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Bishop Creek								
A	30,520	417	2,343	3.1	463.6	463.6	464.3	0.7
B	33,382	793	3,612	1.8	467.0	467.0	468.0	1.0
C	34,802	251	1,166	5.7	468.5	468.5	469.4	0.9
D	36,542	623	4,148	1.6	471.6	471.6	472.5	0.9
E	38,092	396	1,939	2.5	472.5	472.5	473.4	0.9
F	39,832	246	1,354	3.6	475.9	475.9	476.8	0.9
G	43,482	252	1,616	3.0	484.0	484.0	485.0	1.0
H	46,152	147	1,279	3.8	487.0	487.0	488.0	1.0
I	48,962	446	2,482	2.0	488.3	488.3	489.3	1.0
J	51,262	305	1,517	3.2	491.0	491.0	491.9	0.9
K	53,052	111	987	4.9	494.5	494.5	495.1	0.6
L	55,882	369	2,104	2.3	499.1	499.1	500.1	1.0
M	59,532	299	1,668	2.4	502.2	502.2	503.2	1.0
N	61,432	587	2,229	1.8	503.7	503.7	504.7	1.0
O	63,852	235	947	4.2	508.0	508.0	508.9	0.9
P	64,762	563	2,007	1.7	510.1	510.1	511.1	1.0
Q	66,532	177	542	3.2	514.0	514.0	514.8	0.8
R	67,812	235	1,799	1.0	520.2	520.2	521.1	0.9
S	69,612	296	902	1.9	521.3	521.3	522.2	0.9
T	71,012	46	179	9.5	525.7	525.7	526.7	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

BISHOP CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Yellowleaf Creek								
A	10,875	982	9,069	3.0	407.0	407.0	408.0	1.0
B	11,040	1,181	10,617	2.5	407.2	407.2	408.2	1.0
C	12,000	654	8,531	3.1	407.8	407.8	408.6	0.8
D	12,840	1,393	18,040	1.5	408.3	408.3	409.2	0.9
E	14,920	2,564	26,188	1.0	408.7	408.7	409.6	0.9
F	19,900	2,524	21,249	1.2	409.3	409.3	410.2	0.9
G	20,620	2,560	21,677	1.2	409.4	409.4	410.4	1.0
H	21,320	1,780	14,470	1.8	409.5	409.5	410.4	0.9
I	23,230	1,467	14,560	1.8	409.9	409.9	410.9	1.0
J	24,940	1,716	13,234	1.9	410.0	410.0	411.0	1.0
K	27,110	2,068	12,164	2.0	410.5	410.5	411.5	1.0
L	29,120	2,939	28,000	0.9	411.1	411.1	412.1	1.0
M	32,180	1,684	16,016	1.5	411.8	411.8	412.8	1.0
N	32,870	2,109	14,641	1.6	412.1	412.1	413.0	0.9
O	34,730	1,602	14,874	1.6	413.2	413.2	414.1	0.9
P	36,060	1,334	13,002	1.8	413.8	413.8	414.7	0.9
Q	37,420	683	6,402	3.7	414.5	414.5	415.4	0.9
R	38,590	1,051	7,476	3.2	415.6	415.6	416.6	1.0
S	39,800	938	7,472	3.2	417.6	417.6	418.2	0.6
T	41,180	1,839	13,504	1.8	418.5	418.5	419.4	0.9
U	42,380	1,676	8,408	2.8	419.3	419.3	420.0	0.7
V	44,650	1,334	11,282	2.1	421.7	421.7	422.6	0.9

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOODWAY DATA

YELLOWLEAF CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Yellowleaf Creek (continued)								
W	46,770	1,416	10,276	2.3	423.5	423.5	424.5	1.0
X	49,040	440	4,524	5.3	425.7	425.7	426.4	0.7
Y	50,470	432	5,359	4.5	428.2	428.2	429.0	0.8
Z	51,540	1,498	14,766	1.6	429.8	429.8	430.7	0.9
AA	56,110	1,481	13,047	1.8	432.0	432.0	432.6	0.6
AB	58,800	265	2,825	6.6	434.1	434.1	434.5	0.4
AC	61,020	784	7,860	2.4	437.4	437.4	438.4	1.0
AD	62,440	457	5,859	3.2	438.3	438.3	439.2	0.9
AE	63,740	317	4,371	4.3	439.3	439.3	440.3	1.0
AF	65,850	417	4,856	3.9	441.6	441.6	442.6	1.0
AG	67,590	385	4,969	3.8	443.8	443.8	444.7	0.9
AH	69,490	637	8,225	2.3	445.5	445.5	446.5	1.0
AI	71,110	1,047	12,107	1.5	446.3	446.3	447.3	1.0
AJ	73,660	747	9,554	2.0	447.2	447.2	448.2	1.0
AK	75,110	855	7,824	2.4	447.9	447.9	448.8	0.9
AL	75,580	832	6,514	2.9	448.1	448.1	449.1	1.0
AM	77,550	622	7,298	2.6	449.7	449.7	450.6	0.9
AN	80,510	1,334	7,179	2.6	452.2	452.2	453.2	1.0
AO	83,870	1,841	17,606	1.1	453.9	453.9	454.9	1.0
AP	85,720	1,588	16,117	1.2	454.3	454.3	455.3	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

YELLOWLEAF CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Yellowleaf Creek (continued)								
AQ	88,180	769	8,529	2.2	454.8	454.8	455.8	1.0
AR	88,880	2,028	18,563	1.0	455.1	455.1	456.1	1.0
AS	91,050	2,038	12,726	1.4	455.2	455.2	456.2	1.0
AT	92,550	1,667	11,837	1.6	455.6	455.6	456.5	0.9
AU	94,360	833	7,652	2.4	456.4	456.4	457.4	1.0
AV	96,910	1,911	25,404	0.7	456.9	456.9	457.8	0.9
AW	100,020	668	8,285	2.2	457.0	457.0	457.9	0.9
AX	101,780	784	9,973	1.8	457.7	457.7	458.6	0.9
AY	103,850	1,084	10,454	1.8	458.5	458.5	459.4	0.9
AZ	105,920	1,506	13,797	1.3	459.3	459.3	460.2	0.9
BA	106,830	923	9,154	2.0	459.7	459.7	460.7	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOODWAY DATA

YELLOWLEAF CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Four Mile Creek								
A	3,100	635	3,851	1.2	408.6	404.2[2]	405.2[2]	1.0
B	5,290	460	2,238	2.1	408.6	405.7[2]	406.7[2]	1.0
C	5,810	311	2,215	2.2	408.6	407.8[2]	408.4[2]	0.6
D	7,690	390	1,826	2.6	410.0	410.0	411.0	1.0
E	8,560	289	1,854	2.6	412.3	412.3	413.3	1.0
F	9,980	229	1,499	3.2	415.9	415.9	416.9	1.0
G	11,390	199	1,365	3.3	419.9	419.9	420.8	0.9
H	12,560	229	1,607	2.8	422.1	422.1	423.1	1.0
I	13,730	464	3,105	1.4	423.4	423.4	424.3	0.9
J	18,450	469	2,768	1.6	425.1	425.1	426.1	1.0
K	19,810	429	2,131	2.1	426.6	426.6	427.4	0.8
L	22,810	1,036	3,061	1.3	429.6	429.6	430.6	1.0
M	25,760	402	2,157	1.9	432.4	432.4	433.4	1.0
N	27,580	675	2,217	1.5	433.7	433.7	434.7	1.0
O	30,580	274	1,083	3.2	435.9	435.9	436.9	1.0
P	33,070	427	1,950	1.8	441.0	441.0	442.0	1.0
Q	34,480	457	2,001	1.5	442.3	442.3	443.3	1.0
R	36,210	458	1,890	1.6	443.7	443.7	444.7	1.0
S	38,580	206	1,093	2.4	446.8	446.8	447.8	1.0
T	41,340	278	999	2.0	449.5	449.5	450.5	1.0
U	43,190	237	471	3.4	451.5	451.5	452.4	0.9
V	45,910	415	1,265	1.3	456.9	456.9	457.6	0.7
W	46,900	1,300	3,090	0.5	460.0	460.0	461.0	1.0

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects.

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

FOUR MILE CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Four Mile Creek (cont.)								
X	48,460	110	427	3.2	462.7	462.7	463.7	1.0
Y	50,820	85	359	3.8	467.1	467.1	468.1	1.0
Z	52,310	161	617	1.8	470.8	470.8	471.7	0.9
AA	53,960	69	284	3.9	474.6	474.6	475.6	1.0
AB	54,460	53	297	3.8	476.3	476.3	477.1	0.8
AC	55,030	27	138	7.6	477.5	477.5	478.5	1.0
AD	55,470	104	466	2.2	480.4	480.4	481.4	1.0
AE	56,630	96	421	2.5	487.2	487.2	488.2	1.0
AF	57,710	23	122	7.9	492.1	492.1	492.9	0.8
AG	58,330	91	329	1.5	495.4	495.4	496.4	1.0
AH	59,170	15	56	5.2	501.4	501.4	502.1	0.7
Muddy Prong								
A	1,660	793	6,723	2.0	432.8	431.3[2]	432.2[2]	0.9
B	3,950	447	3,711	3.5	433.0	433.0	433.9	0.9
C	6,060	713	5,559	2.0	435.8	435.8	436.8	1.0
D	8,580	568	3,281	3.4	438.3	438.3	439.1	0.8
E	9,640	429	4,521	2.5	443.1	443.1	443.8	0.7
F	11,500	555	4,883	2.3	444.1	444.1	445.0	0.9
G	13,680	259	1,847	6.0	446.2	446.2	447.2	1.0
H	15,820	436	5,663	2.0	456.6	456.6	457.4	0.8
I	16,820	262	3,355	3.3	457.0	457.0	457.8	0.8

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

FOUR MILE CREEK-MUDDY PRONG

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Muddy Prong (cont.)								
J	20,170	382	4,620	2.4	459.3	459.3	460.3	1.0
K	21,840	1,351	15,630	0.5	461.6	461.6	462.4	0.8
L	25,990	730	7,647	1.0	461.7	461.7	462.6	0.9
M	29,210	322	3,294	2.3	462.7	462.7	463.5	0.8
N	30,830	545	5,768	1.2	464.6	464.6	465.6	1.0
O	33,260	1,053	9,297	0.7	464.9	464.9	465.9	1.0
P	34,810	628	4,719	1.5	465.3	465.3	466.3	1.0
Q	36,310	769	4,589	1.5	466.2	466.2	467.2	1.0
R	39,520	755	3,550	2.0	468.8	468.8	469.7	0.9
S	41,950	411	2,619	2.1	471.7	471.7	472.6	0.9
T	45,190	908	6,279	0.9	475.1	475.1	476.1	1.0
U	46,960	839	5,882	0.9	475.5	475.5	476.5	1.0
V	48,360	495	3,266	1.7	476.2	476.2	477.2	1.0
South Fork Yellowleaf Creek								
A	800	490	6,073	1.8	460.6	460.6	461.6	1.0
B	4,400	1,091	10,335	1.0	461.3	461.3	462.3	1.0
C	5,220	835	8,848	1.2	462.1	462.1	463.1	1.0
D	7,310	872	7,666	1.4	462.5	462.5	463.5	1.0
E	9,270	499	3,416	3.0	463.1	463.1	464.1	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

MUDDY PRONG-SOUTH FORK YELLOWLEAF CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
South Fork Yellowleaf Creek (cont.)								
F	10,670	294	2,159	4.7	465.6	465.6	466.6	1.0
G	12,850	1,086	10,644	1.0	467.2	467.2	468.2	1.0
H	15,100	933	8,823	1.2	467.6	467.6	468.6	1.0
I	18,150	656	4,978	2.0	468.4	468.4	469.4	1.0
J	20,300	807	8,445	1.2	472.5	472.5	473.5	1.0
K	23,150	1,076	11,233	0.9	472.9	472.9	473.8	0.9
L	26,500	2,020	17,596	0.5	473.2	473.2	474.1	0.9
M	31,050	1,782	10,594	0.8	473.5	473.5	474.4	0.9
N	34,180	1,057	5,926	1.5	474.6	474.6	475.5	0.9
O	36,220	1,401	10,160	0.9	477.1	477.1	478.1	1.0
P	38,320	851	4,352	2.0	477.8	477.8	478.7	0.9
Q	40,120	841	8,133	1.1	478.7	478.7	479.6	0.9
R	44,270	1,432	10,112	0.9	479.3	479.3	480.2	0.9
S	45,670	419	3,139	2.8	479.9	479.9	480.8	0.9
T	49,420	1,217	6,700	1.3	482.6	482.6	483.6	1.0
U	51,170	1,260	5,981	1.4	483.8	483.8	484.8	1.0
V	53,670	534	3,003	2.7	486.7	486.7	487.6	0.9
W	55,070	561	4,739	1.7	491.1	491.1	492.1	1.0
X	57,770	537	4,513	1.8	492.5	492.5	493.5	1.0
Y	59,570	342	3,378	2.4	493.8	493.8	494.7	0.9
Z	59,970	345	3,479	2.4	494.4	494.4	495.4	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SOUTH FORK YELLOWLEAF CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Bolivar Creek								
A	750	680	3,123	0.7	495.4	490.5[2]	491.5[2]	1.0
B	1,450	501	2,139	1.0	495.4	490.7[2]	491.7[2]	1.0
C	4,530	376	1,622	1.2	495.6	495.6	496.5	0.9
D	5,980	101	602	3.1	497.9	497.9	498.7	0.8
E	8,830	297	1,320	1.4	502.3	502.3	503.1	0.8
F	10,680	323	929	1.7	504.4	504.4	505.4	1.0
G	11,930	43	343	4.3	511.0	511.0	512.0	1.0
North Fork Yellowleaf Creek								
A	2,900	1,160	8,537	1.7	461.4	461.4	462.4	1.0
B	6,720	796	7,064	2.1	463.5	463.5	464.4	0.9
C	7,670	307	2,754	5.3	464.7	464.7	465.7	1.0
D	10,170	510	6,156	2.4	468.0	468.0	469.0	1.0
E	11,280	441	5,700	2.5	468.9	468.9	469.8	0.9
F	16,110	817	8,222	1.8	471.4	471.4	472.4	1.0
G	17,780	438	6,182	2.3	472.2	472.2	473.2	1.0
H	21,080	375	5,950	2.1	473.6	473.6	474.5	0.9
I	25,080	733	8,396	1.3	474.3	474.3	475.3	1.0
J	27,020	245	2,582	4.1	474.0	475.0	476.0	1.0
K	28,780	114	1,755	6.1	480.1	480.1	481.0	0.9
L	30,840	535	6,772	1.6	482.7	482.7	483.7	1.0

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

BOLIVAR CREEK-NORTH FORK YELLOWLEAF CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
North Fork Yellowleaf Creek (cont.)								
M	31,540	192	3,109	3.4	482.8	482.8	483.8	1.0
N	32,050	309	4,640	2.3	483.7	483.7	484.7	1.0
O	33,040	128	2,015	5.3	484.4	484.4	485.3	0.9
P	34,590	152	2,490	4.3	487.1	487.1	488.1	1.0
Q	35,240	157	2,673	4.0	488.0	488.0	488.9	0.9
R	36,490	409	6,521	1.6	488.9	488.9	489.9	1.0
S	37,210	400	6,216	1.6	489.1	489.1	490.1	1.0
T	41,180	318	3,711	2.8	490.0	490.0	491.0	1.0
U	42,890	407	4,855	2.1	491.1	491.1	492.1	1.0
V	44,380	92	1,554	6.6	494.5	494.5	495.1	0.6
W	46,050	170	2,676	3.5	497.6	497.6	498.5	0.9
X	49,490	206	2,762	3.4	500.8	500.8	501.8	1.0
Y	50,840	52	667	13.9	521.5	521.5	522.3	0.8
Z	51,960	99	1,509	5.3	530.0	530.0	531.0	1.0
AA	54,310	273	3,241	1.8	531.7	531.7	532.7	1.0
AB	55,940	569	3,996	1.5	532.6	532.6	533.5	0.9
AC	58,535	43	424	8.6	546.0	546.0	547.0	1.0
AD	60,925	74	428	8.5	573.9	573.9	574.9	1.0
Little Creek								
A	1,310	380	2,151	1.7	470.3	459.2[2]	460.2[2]	1.0

[1] Feet above mouth
[2] Water-surface elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

NORTH FORK YELLOWLEAF CREEK-LITTLE CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Little Creek (cont.)								
B	3,820	506	2,279	1.6	470.3	462.1[2]	463.1[2]	1.0
C	6,140	406	1,971	1.8	470.3	464.8[2]	465.8[2]	1.0
D	9,850	432	2,052	1.7	470.3	469.3[2]	470.3[2]	1.0
E	14,090	390	2,020	1.8	474.6	474.6	475.6	1.0
F	15,505	352	3,612	1.0	480.6	480.6	481.4	0.8
G	18,605	261	2,091	1.5	481.1	481.1	482.1	1.0
H	20,225	449	2,720	0.8	481.9	481.9	482.9	1.0
I	22,685	204	925	2.4	483.5	483.5	484.3	0.8
J	25,635	349	1,379	1.6	487.2	487.2	487.9	0.7
K	26,845	251	839	2.7	489.4	489.4	490.4	1.0
L	27,835	585	5,015	0.4	496.5	496.5	497.5	1.0
M	29,825	208	1,077	1.6	500.5	500.5	501.3	0.8
N	30,945	129	549	3.1	502.6	502.6	503.6	1.0
O	32,205	22	237	7.1	508.9	508.9	509.8	0.9
P	33,155	385	1,969	0.5	511.2	511.2	512.2	1.0
Q	35,205	29	192	5.2	523.6	523.6	524.5	0.9
Hargis Retreat Creek								
A	1,680	23	190	9.1	484.7	484.7	485.6	0.9
B	2,570	30	277	6.2	492.2	492.2	493.2	1.0
C	3,620	105	948	1.8	499.8	499.8	500.5	0.7

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE CREEK-HARGIS RETREAT CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Hargis Retreat Creek (cont.)								
D	5,040	350	2,472	0.6	501.1	501.1	502.1	1.0
E	6,340	103	539	2.9	504.0	504.0	504.9	0.9
F	6,900	177	1,376	1.1	507.1	507.1	507.9	0.8
G	8,540	166	808	1.9	509.4	509.4	510.4	1.0
H	10,310	97	620	2.0	512.0	512.0	513.0	1.0

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

HARGIS RETREAT CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Spencer Creek								
A	900	280	1,330	2.2	473.5	461.2[2]	462.2[2]	1.0
B	3,090	212	1,125	2.6	473.8	473.8	474.6	0.8
C	4,280	740	7,804	0.4	474.0	474.0	474.8	0.8
D	8,580	128	562	5.1	476.8	476.8	477.7	0.9
E	10,770	168	1,212	1.2	480.7	480.7	481.7	1.0
F	13,750	68	282	5.2	483.4	483.4	484.2	0.8
G	17,390	191	828	1.8	493.1	493.1	494.1	1.0
H	20,490	30	150	6.7	504.4	504.4	505.2	0.8
I	22,950	103	570	1.8	511.7	511.7	512.7	1.0
J	24,290	97	501	2.0	516.4	516.4	517.4	1.0
K	24,860	208	861	1.2	520.5	520.5	521.3	0.8
L	27,360	62	353	2.0	529.7	529.7	530.7	1.0
M	29,540	15	59	8.3	540.4	540.4	540.7	0.3
N	30,890	41	195	2.5	548.7	548.7	549.7	1.0
O	31,235	192	1,043	0.5	554.1	554.1	555.1	1.0
P	31,970	18	94	2.7	557.5	557.5	558.5	1.0
Q	32,830	176	2,227	0.1	582.2	582.2	583.2	1.0
R	34,010	57	225	1.1	582.2	582.2	583.2	1.0

[1]Feet above mouth
[2]Water-surface elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

SPENCER CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Yellow Creek								
A	180	49	176	2.8	495.4	482.0[2]	483.0[2]	1.0
B	2,630	52	160	2.6	497.8	497.8	498.7	0.9
C	4,350	12	50	6.4	513.9	513.9	514.9	1.0
D	5,720	13	45	3.5	530.3	530.3	531.1	0.8
E	7,530	13	17	2.9	547.7	547.7	547.7	0.0
Waxahatchee Big Creek								
A	1,000	102	1,289	5.7	430.6	430.6	431.6	1.0
B	3,030	91	1,224	6.0	432.6	432.6	433.5	0.9
C	3,950	202	2,318	3.2	433.6	433.6	434.6	1.0
D	4,370	247	1,775	4.2	433.7	433.7	434.6	0.9
E	4,670	238	1,680	4.4	434.0	434.0	435.0	1.0
F	5,070	104	1,577	4.7	434.6	434.6	435.5	0.9
G	5,270	187	1,655	4.5	434.6	434.6	435.5	0.9
H	7,960	549	1,561	4.7	438.7	438.7	439.6	0.9
I	10,730	199	1,538	4.8	445.2	445.2	446.2	1.0
J	11,900	183	1,822	4.0	447.3	447.3	448.2	0.9
K	16,100	294	2,334	3.2	452.4	452.4	453.3	0.9
L	18,600	153	1,434	5.1	456.3	456.3	457.3	1.0
M	20,310	303	2,443	3.0	459.0	459.0	459.9	0.9
N	22,510	211	1,837	4.0	461.0	461.0	461.9	0.9
O	25,060	304	2,492	3.0	463.2	463.2	464.2	1.0

[1]Feet above mouth
[2]Water-surface elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

YELLOW CREEK-WAXAHATCHEE/BIG CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Waxahatchee/Big Creek (cont.)								
P	26,420	328	2,520	2.9	464.3	464.3	465.3	1.0
Q	27,650	341	2,494	3.0	465.2	465.2	466.2	1.0
R	29,850	290	1,871	3.7	467.2	467.2	468.2	1.0
S	31,110	261	1,717	4.0	468.3	468.3	469.3	1.0
T	31,460	199	1,329	5.1	468.6	468.6	469.4	0.8
U	32,630	240	1,672	4.1	471.0	471.0	472.0	1.0
V	33,860	316	2,085	3.3	473.2	473.2	474.1	0.9
W	34,960	417	4,217	1.6	474.2	474.2	475.1	0.9
X	36,410	270	2,102	3.1	475.6	475.6	476.3	0.7
Y	36,690	260	2,009	3.3	475.8	475.8	476.6	0.8
Z	37,990	362	3,375	1.9	477.0	477.0	478.0	1.0
AA	40,190	566	3,617	1.8	478.4	478.4	479.3	0.9
AB	41,390	551	3,781	1.7	479.6	479.6	480.4	0.8
AC	43,490	394	2,612	2.5	480.1	480.1	481.0	0.9
AD	44,690	281	2,380	2.8	481.2	481.2	482.2	1.0
AE	46,470	589	3,847	1.6	482.6	482.6	483.5	0.9
AF	48,440	627	1,766	2.9	484.7	484.7	485.5	0.8
AG	50,560	507	2,929	1.8	488.0	488.0	489.0	1.0
AH	52,860	361	1,849	2.8	491.0	491.0	492.0	1.0
AI	53,750	325	1,909	2.7	492.6	492.6	493.6	1.0
AJ	55,750	273	1,579	3.3	497.7	497.7	498.7	1.0
AK	57,850	217	1,301	4.0	504.7	504.7	505.6	0.9

[1]Feet above confluence with Camp Branch

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WAXAHATCHEE CREEK/BIG CREEK

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Waxahatchee/Big Creek (cont.)								
AL	59,160	263	2,083	2.4	507.3	507.3	508.3	1.0
AM	59,990	433	3,239	1.5	508.0	508.0	509.0	1.0
AN	62,290	487	3,062	1.6	509.2	509.2	510.2	1.0
AO	64,840	324	1,681	2.9	511.6	511.6	512.6	1.0
AP	67,550	465	2,715	1.8	515.7	515.7	516.7	1.0
AQ	69,830	360	2,350	2.0	517.8	517.8	518.8	1.0
Camp Branch								
A	100	391	2,153	3.0	429.5	426.9[2]	427.9[2]	1.0
B	4,140	765	3,294	1.9	430.5	430.5	431.4	0.9
C	5,990	426	2,279	2.5	432.5	432.5	433.5	1.0
D	6,470	411	2,622	2.2	433.8	433.8	434.5	0.7
E	8,340	138	866	6.6	435.9	435.9	436.8	0.9
F	9,840	115	1,107	5.2	440.0	440.0	441.0	1.0
G	12,450	150	921	6.2	446.0	446.0	447.0	1.0
H	14,890	111	1,048	5.4	452.8	452.8	453.8	1.0
I	16,610	102	914	6.2	455.9	455.9	456.7	0.8
J	18,000	111	761	7.5	459.1	459.1	460.0	0.9
K	20,800	119	1,247	4.6	467.5	467.5	468.5	1.0
L	23,660	89	794	7.2	473.0	473.0	473.7	0.7
M	24,940	94	909	6.3	476.2	476.2	477.2	1.0
N	26,120	104	873	6.2	478.7	478.7	479.7	1.0

[1]Feet above confluence with Camp Branch for Waxahatchee/Big Creeks; feet above mouth for Camp Branch.
[2]Water-surface elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WAXAHATCHEE CREEK/BIG CREEK - CAMP BRANCH

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Camp Branch (cont.)								
O	27,950	587	4,457	1.2	480.6	480.6	481.6	1.0
P	30,280	672	5,048	1.1	481.2	481.2	482.1	0.9
Q	30,860	93	795	6.8	481.8	481.8	482.5	0.7
R	31,715	418	3,250	1.7	484.6	484.6	485.5	0.9
S	32,240	342	2,652	2.0	485.2	485.2	486.0	0.8
T	34,400	227	1,291	4.2	490.0	490.0	490.8	0.8
U	36,700	164	1,497	3.4	495.0	495.0	496.0	1.0
V	38,900	632	3,964	1.3	496.8	496.8	497.6	0.8
W	42,400	505	2,449	2.1	498.5	498.5	499.2	0.7
X	44,750	339	2,236	2.3	500.3	500.3	501.1	0.8
Y	45,075	270	1,862	2.7	500.8	500.8	501.6	0.8
Z	48,385	259	1,285	3.8	507.4	507.4	508.2	0.8
AA	50,565	459	2,920	1.7	510.6	510.6	511.6	1.0
AB	53,725	143	785	6.2	515.4	515.4	516.2	0.8
AC	54,885	221	1,548	3.2	519.3	519.3	520.3	1.0
AD	55,057	230	1,861	2.6	522.4	522.4	522.9	0.5
AE	55,847	310	2,190	2.2	524.1	524.1	524.8	0.7
AF	57,997	501	2,351	2.1	527.2	527.2	528.2	1.0
AG	60,547	276	1,806	2.7	531.8	531.8	532.5	0.7
AH	61,817	241	1,408	2.7	534.4	534.4	535.4	1.0
AI	63,857	547	2,708	1.3	537.5	537.5	538.3	0.8
AJ	65,827	358	1,370	2.5	538.2	538.2	539.2	1.0

[1]Feet above confluence with Waxahatchee/Big Creek

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAMP BRANCH

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Camp Branch (cont.)								
AK	68,327	104	458	7.6	541.1	541.1	542.1	1.0
AL	68,857	189	787	4.4	543.2	543.2	544.1	0.9
AM	70,927	107	629	2.2	547.3	547.3	548.3	1.0
AN	74,187	120	544	2.5	551.8	551.8	552.7	0.9
AO	76,577	146	561	2.0	555.9	555.9	556.9	1.0
AP	78,757	68	250	4.5	560.4	560.4	561.2	0.8
AQ	82,257	159	481	1.5	569.4	569.4	570.4	1.0
Wolf Creek								
A	470	181	931	4.7	483.3	479.1[2]	480.1[2]	1.0
B	1,170	91	611	7.1	483.3	483.0[2]	483.1[2]	0.1
C	2,370	289	1,569	2.8	486.8	486.8	487.8	1.0
D	3,850	186	1,498	2.9	489.1	489.1	490.1	1.0
E	6,050	462	3,134	1.3	490.8	490.8	491.8	1.0
Wildwood Creek								
A	240	145	943	2.4	518.4	517.9[2]	518.9[2]	1.0
B	2,680	343	1,793	1.3	521.9	521.9	522.9	1.0
C	5,050	123	397	2.0	529.6	529.6	530.6	1.0
D	6,550	65	237	3.4	540.8	540.8	541.8	1.0
E	8,140	37	146	5.0	552.4	552.4	553.4	1.0

[1]Feet above mouth
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

CAMP BRANCH-WOLF CREEK-WILDWOOD CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Kelly Creek								
A	300	2,485	38,645	0.9	431.6	431.6	432.6	1.0
B	2,170	1,085	18,224	2.0	431.9	431.9	432.9	1.0
C	3,250	1,632	23,933	1.5	433.2	433.2	434.2	1.0
D	4,820	1,398	23,968	1.5	433.3	433.3	434.3	1.0
E	7,700	1,945	30,421	1.2	433.5	433.5	434.5	1.0
F	8,810	2,246	31,081	1.2	433.7	433.7	434.7	1.0
G	9,780	1,916	24,523	1.5	433.8	433.8	434.8	1.0
H	11,000	1,508	17,268	2.1	434.1	434.1	435.1	1.0
I	13,820	871	13,317	2.7	434.9	434.9	435.9	1.0
J	15,060	694	10,760	3.4	435.6	435.6	436.6	1.0
K	17,100	1,893	24,975	1.4	436.4	436.4	437.4	1.0
L	19,400	1,593	13,984	2.6	437.1	437.1	438.1	1.0
M	20,130	1,088	12,839	2.8	437.8	437.8	438.8	1.0
N	21,840	1,542	13,186	2.6	439.2	439.2	440.2	1.0
O	22,820	796	8,512	4.1	440.4	440.4	441.2	0.8
P	24,050	933	10,341	3.4	442.9	442.9	443.8	0.9
Q	25,560	478	6,779	5.1	444.6	444.6	445.6	1.0
R	27,260	1,062	12,379	2.8	446.7	446.7	447.7	1.0
S	28,860	526	6,603	5.3	448.4	448.4	449.3	0.9
T	30,570	264	5,902	5.9	451.0	451.0	452.0	1.0
U	32,800	253	6,167	5.6	453.4	453.4	454.4	1.0
V	34,020	572	11,645	3.0	454.8	454.8	455.8	1.0
W	35,200	763	16,021	2.2	455.4	455.4	456.4	1.0

[1]Feet above Shelby County Limits

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

KELLY CREEK

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Kelly Creek (cont.)								
X	36,230	986	19,538	1.8	455.7	455.7	456.7	1.0
Y	37,610	680	14,608	2.4	456.1	456.1	457.1	1.0
Z	39,210	1,739	34,059	1.0	456.6	456.6	457.6	1.0
AA	40,590	407	8,320	4.2	456.9	456.9	457.8	0.9
AB	42,190	214	5,303	6.5	458.2	458.2	459.2	1.0
AC	43,320	224	5,506	6.3	459.6	459.6	460.6	1.0
AD	45,300	212	5,849	5.9	462.0	462.0	463.0	1.0
AE	46,500	206	5,912	4.9	463.3	463.3	464.3	1.0
Bear Creek								
A	400	249	2,805	3.8	463.5	446.5[2]	447.5[2]	1.0
B	3,000	1,337	9,714	1.1	463.5	447.8[2]	448.8[2]	1.0
C	5,700	1,286	11,702	0.9	463.5	448.2[2]	449.2[2]	1.0
D	8,800	994	5,371	2.0	463.5	448.9[2]	449.8[2]	0.9
E	13,820	721	4,520	2.3	463.5	452.4[2]	453.4[2]	1.0
F	15,650	676	5,459	1.9	463.5	453.5[2]	454.5[2]	1.0
G	16,350	787	7,310	1.4	463.5	453.9[2]	454.9[2]	1.0
H	18,160	956	6,367	1.6	463.5	454.7[2]	455.7[2]	1.0
I	24,760	2,033	6,507	1.4	463.5	458.1[2]	459.1[2]	1.0
J	27,260	1,619	7,728	1.2	463.5	459.3[2]	460.3[2]	1.0
K	28,610	2,082	12,057	0.8	463.5	460.4[2]	461.4[2]	1.0
L	32,010	1,192	5,775	1.6	463.5	461.2[2]	462.0[2]	0.8

[1]Feet above Shelby County Limits for Kelley Creek; feet above mouth for Bear Creek
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

KELLY CREEK-BEAR CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Bear Creek (cont.)								
M	37,010	1,570	10,317	0.8	463.5	462.4[2]	463.4[2]	1.0
Beeswax Creek								
A	210	94	690	7.3	408.6	408.6	408.8	0.2
B	1,130	600	3,301	1.5	411.8	411.8	412.8	1.0
C	3,000	82	618	8.1	416.5	416.5	416.8	0.3
D	4,010	163	841	6.0	423.1	423.1	424.1	1.0
E	5,390	385	2,192	2.3	427.6	427.6	428.3	0.7
F	6,900	709	3,015	1.6	429.1	429.1	430.1	1.0
G	8,320	597	2,506	2.0	431.3	431.3	431.9	0.6
H	9,300	480	2,996	1.6	434.7	434.7	435.7	1.0
I	10,440	383	2,230	2.2	435.4	435.4	436.4	1.0
J	12,270	514	3,107	1.6	436.6	436.6	437.6	1.0
K	14,470	268	1,135	4.3	438.7	438.7	439.4	0.7
L	16,120	516	2,976	1.6	441.7	441.7	442.7	1.0
M	18,470	355	2,046	2.2	444.0	444.0	445.0	1.0
Tributary To Beeswax Creek								
A	2,000	163	552	2.1	431.0	431.0	432.0	1.0
B	4,100	129	311	3.7	443.3	443.3	444.3	1.0
C	5,930	24	137	4.8	462.9	462.9	463.6	0.7

[1]Feet above mouth for Bear Creek and Tributary to Beeswax Creek; feet above County Route 61 for Beeswax Creek
[2]Elevation computed without consideration of backwater effects

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

BEAR CREEK-BEESWAX CREEK-TRIBUTARY TO BEESWAX CREEK

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Tributary To Beeswax Creek (cont.)								
D	7,230	17	43	9.3	489.2	489.2	489.2	0.0
Little Beeswax Creek								
A	1,400	681	3,027	1.1	405.5	405.5	406.5	1.0
B	3,490	351	1,771	1.9	406.2	406.2	407.0	0.8
C	4,940	452	2,315	1.4	406.7	406.7	407.6	0.9
D	5,940	443	2,074	1.6	407.2	407.2	408.2	1.0
E	6,480	543	3,135	1.0	409.0	409.0	410.0	1.0
F	8,710	249	768	4.2	409.3	409.3	410.2	0.9
G	9,780	291	960	3.3	411.5	411.5	412.5	1.0
H	11,410	235	937	3.3	415.7	415.7	416.5	0.8
I	12,460	772	2,172	1.4	418.1	418.1	419.0	0.9
J	12,720	653	1,634	1.9	418.9	418.9	419.8	0.9
K	14,520	453	1,559	1.7	423.1	423.1	424.0	0.9
L	15,700	173	641	4.2	425.9	425.9	426.6	0.7
M	16,615	412	2,184	1.2	432.6	432.6	433.3	0.7
N	17,315	381	1,489	1.8	432.8	432.8	433.5	0.7
O	18,615	264	560	4.4	434.1	434.1	434.6	0.5
P	20,765	264	635	3.8	442.8	442.8	443.4	0.6
Q	22,215	134	480	3.3	448.4	448.4	449.1	0.7

[1]Feet above mouth

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOODWAY DATA

TRIBUTARY TO BEESWAX CREEK-LITTLE BEESWAX CREEK

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FT.)	SECTION AREA (SQ. FT.)	MEAN VELOCITY (F.P.S.)	REGULATORY (NGVD)	WITHOUT FLOODWAY (NGVD)	WITH FLOODWAY (NGVD)	INCREASE (FEET)
Little Beeswax Creek (cont.)								
R	22,615	105	344	4.7	449.5	449.5	450.1	0.6
S	22,905	122	315	5.1	453.1	453.1	453.1	0.0
T	24,905	92	306	4.9	459.3	459.3	460.0	0.7
Tributary To Little Beeswax Creek								
A	1,174	70	229	3.0	465.9	465.9	466.9	1.0
B	2,220	39	112	6.1	478.4	478.4	479.1	0.7
C	3,300	52	153	4.4	487.4	487.4	488.2	0.8
D	3,940	162	670	0.9	495.1	495.1	495.1	0.0
E	5,590	19	71	5.8	507.8	507.8	508.4	0.6
F	7,290	25	77	3.5	522.0	522.0	522.7	0.7
G	8,690	15	44	4.6	541.5	541.5	542.2	0.7
Walthall Branch								
A	3,760	176	536	3.0	408.8	408.8	409.8	1.0
B	6,080	98	329	4.8	415.6	415.6	416.5	0.9
C	6,790	335	1,356	1.2	419.1	419.1	420.0	0.9
D	8,020	126	397	3.2	421.5	421.5	422.5	1.0
E	8,770	296	1,110	1.0	424.5	424.5	425.5	1.0

[1]Feet above mouth for Little Beeswax Creek and Tributary to Little Beeswax Creek; feet above State Highway 76 Bridge for Walthall Branch

TABLE 2

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

LITTLE BEESWAX CREEK-TRIBUTARY TO LITTLE BEESWAX CREEK-WALTHALL BRANCH

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FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION			
CROSS SECTION	DISTANCE[1]	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY	WITHOUT FLOODWAY	WITH FLOODWAY	INCREASE
					(FEET NGVD)			
Walthall Branch (con.t)								
F	10,830	237	871	1.5	427.5	427.5	428.4	0.9
G	13,030	495	2,043	0.6	428.8	428.8	429.7	0.9
H	15,070	109	456	1.7	431.2	431.2	432.1	0.9
I	16,540	118	395	1.9	435.3	435.3	436.3	1.0
J	18,490	117	353	1.8	443.0	443.0	444.0	1.0
Locust Creek								
A	10,320	87	1,401	2.1	419.3	419.3	420.2	0.9
B	12,400	1,007	11,006	0.3	419.3	419.3	420.3	1.0
C	14,660	703	5,782	0.5	419.3	419.3	420.3	1.0

[1]Feet above State Highway 76 Bridge for Walthall Branch; feet above Coosa River for Locust Creek.

TABLE

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOODWAY DATA

WALTHALL BRANCH-LOCUST CREEK

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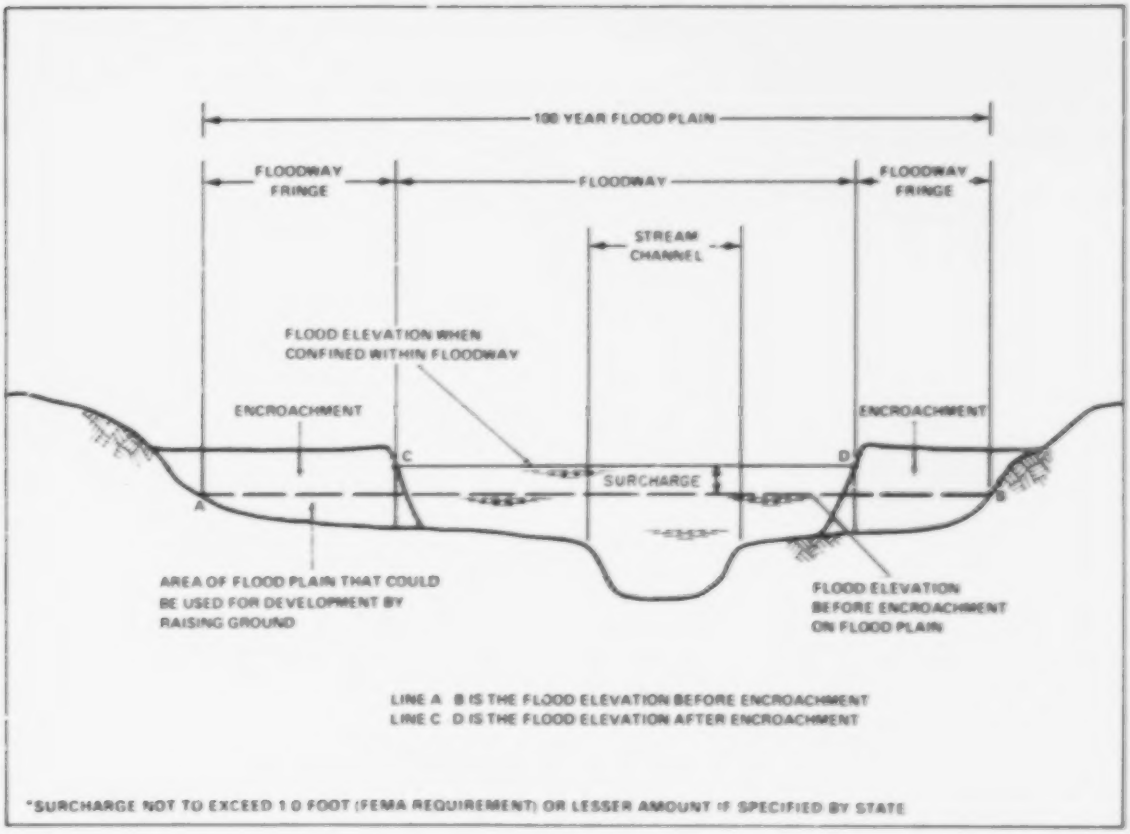

FLOODWAY SCHEMATIC

Figure 2

5.0 INSURANCE APPLICATION

In order to establish actuarial insurance rates, FEMA has developed a process to transform the data from the engineering study into flood insurance criteria. This process includes the determination of reaches, Flood Hazard Factors (FHFs), and flood insurance zone designations for each significant flooding source affecting Shelby County.

5.1 Reach Determinations

Reaches are defined as lengths of watercourses having relatively the same flood hazard, based on the average weighted difference in water-surface elevations between the 10- and 100-year floods. This difference does not have a variation greater than that indicated in the following table for more than 20 percent of the reach.

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Average Difference Between 10- and 100-Year Floods	Variation
Less than 2 feet	0.5 foot
2-7 feet	1.0 foot
7-12 feet	2.0 feet

Many reaches meeting the above criteria were required for the flooding sources of Shelby County. The locations of the reaches are shown on the Flood Profiles and summarized in the Flood Insurance Zone Data Table (Table 3).

5.2 Flood Hazard Factors (FHFs)

The Flood Hazard Factor is used to correlate flood information with insurance rate tables. Correlations between property damages from floods and their assigned FHFs are used to set actuarial insurance premium rate tables based on FHFs from 005 to 200.

The FHF for a reach is the average weighted difference between the 10- and 100-year flood water-surface elevations expressed to the nearest one-half foot, and shown as a three-digit code. For example, if the difference between the water-surface elevations of the 10- and 100-year floods is 0.7 foot, the FHF is 005; if the difference is 1.4 feet, the FHF is 015; if the difference is 5.0 feet, the FHF is 050. When the difference between the 10- and 100-year flood water-surface elevations is greater than 10.0 feet, the accuracy for the FHF is to the nearest foot.

5.3 Flood Insurance Zones

After the determination of reaches and their respective FHFs, the was divided into zones, each having a specific flood potential or hazard. Each zone was assigned one of the following flood insurance zone designations.

Zone A:	Special Flood Hazard Areas inundated by the 100-year flood, determined by approximate methods; no base flood elevations shown or FHFs determined.
Zones A1, A2, A3, A4, A5, A6, A7, A10, A11, A14, A19, A21 and A22:	Special Flood Hazard Areas inundated by the 100-year flood, determined by detailed methods; base flood elevations shown, and zones subdivided according to FHFs.

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION (FEET NGVD)[3]
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Cahaba River							
Reach 1	65,70,95, 100, 125	-11.99	-3.61	+5.27	120	A22	Varies
Reach 2	40,70	-10.97	-3.27	+7.42	110	A21	Varies
Reach 3	20,40,45	- 9.25	-2.78	+7.02	095	A19	Varies
Buck Creek							
Reach 1	100	- 1.87	-0.64	+1.29	020	A4	Varies
Reach 2	100,105	- 1.42	-0.38	+0.73	015	A3	Varies
Reach 3	105	- 2.07	-0.72	+1.53	020	A4	Varies
Reach 4	105	- 1.06	-0.34	+0.79	010	A2	Varies
Reach 5	105	- 1.72	-0.57	+0.54	015	A3	Varies
Reach 6	105	- 0.68	-0.19	+0.38	005	A1	Varies
Reach 7	105	- 1.37	-0.37	+0.68	015	A3	Varies
Bishop Creek	40						
Reach 1	45,70,75	- 2.00	-0.59	+1.00	020	A4	Varies
Reach 2	45	- 0.92	-0.26	+0.46	010	A2	Varies
Yellowleaf Creek							
Reach 1	80,85,120	- 3.66	-1.08	+1.86	035	A7	Varies
Four Mile Creek							
Reach 1	115,120	- 2.02	-0.59	+0.92	020	A4	Varies
Reach 2	115	- 1.00	-0.28	+0.46	010	A2	Varies
Muddy Prong							
Reach 1	55,85	- 3.15	-0.95	+1.60	030	A6	Varies

[1]Flood Insurance Rate Map Panel [2]Weighted Average [3]Rounded to Nearest Foot

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

CAHABA RIVER-BUCK CREEK-BISHOP CREEK-YELLOWLEAF CREEK-FOUR MILE CREEK-MUDDY PRONG

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION (FEET NGVD)[3]
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Muddy Prong (con.t)							
Reach 2	55,85	-3.70	-0.94	+1.34	035	A7	Varies
Reach 3	55	-1.57	-0.40	+0.75	015	A3	Varies
South Fork Yellowleaf Creek							
Reach 1	75,80,110 115	-2.44	-0.69	+1.17	025	A5	Varies
Bolivar Creek							
Reach 1	75	-2.17	-0.76	+1.57	020	A4	Varies
Reach 2	75	-1.07	-0.32	+0.64	010	A2	Varies
North Fork Yellowleaf Creek							
Reach 1	80	-3.62	-1.02	+1.71	035	A7	Varies
Reach 2	50,80	-4.77	-1.43	+2.47	050	A10	Varies
Reach 3	45,50	-2.00	-0.57	+1.04	020	A4	Varies
Reach 4	45,50	-1.13	-0.30	+0.50	010	A2	Varies
Little Creek							
Reach 1	80	-1.25	-0.35	+0.67	015	A3	Varies
Reach 2	50,80	-2.14	-0.66	+1.60	020	A4	Varies
Reach 3	50	-1.21	-0.32	+0.65	010	A2	Varies
Hargis Retreat Creek							
Reach 1	50	-1.14	-0.31	+0.67	010	A2	Varies
Reach 2	50	-2.09	-0.56	+1.16	020	A4	Varies

[1]Flood Insurance Rate Map Panel [2]Weighted Average [3]Rounded to Nearest Foot

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

MUDDY PRONG-SOUTH FORK YELLOWLEAF CREEK-BOLIVAR CREEK-NORTH FORK YELLOW LEAF CREEK-LITTLE CREEK-HARGIS RETREAT CREEK

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Hargis Retreat Creek (cont.)							
Reach 3	50	-1.16	-0.34	+0.82	010	A2	Varies
Spencer Creek							
Reach 1	80	-2.25	-0.67	+0.55	025	A5	Varies
Reach 2	75,80	-0.92	-0.25	+0.43	010	A2	Varies
Yellow Creek							
Reach 1	80	-0.47	-0.14	+0.24	005	A1	Varies
Waxahatchee Creek/Big Creek							
Reach 1	140,170	-2.58	-0.72	+1.22	025	A5	Varies
Camp Branch							
Reach 1	135,140, 170	-2.09	-0.62	+0.96	020	A4	Varies
Wolf Creek							
Reach 1	110,140	-2.04	-0.57	+0.97	020	A4	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

HARGIS RETREAT CREEK-SPENCER CREEK-YELLOW CREEK-WAXAHATCHEE BIG CREEK-CAMP BRANCH-WOLF CREEK

FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1.0% (100-YEAR) FLOOD AND			FHF	ZONE	BASE FLOOD ELEVATION[3]
		10% (10 YR.)	2% (50 YR.)	0.2% (500 YR.)			
Wildwood Creek Reach 1	105, 110, 135, 140	-0.82	-0.23	+0.42	010	A2	Varies
Kelly Creek Reach 1	15,35	-5.47	-1.67	+2.71	055	A11	varies
Reach 2	15,30,35	-7.16	-2.04	+3.41	070	A14	Varies
Beeswax Creek Reach 1	115,145	-1.96	-0.55	+0.94	020	A4	Varies
Tributary To Beeswax Creek Reach 1	145	-0.69	-0.19	+0.37	005	A1	Varies
Little Beeswax Creek Reach 1	145	-1.12	-0.28	+0.52	010	A2	Varies

[1]FLOOD INSURANCE RATE MAP PANEL
[2]WEIGHTED AVERAGE
[3]ROUNDED TO NEAREST FOOT-SEE MAP

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

WILDWOOD CREEK-KELLY CREEK-BEESWAX CREEK-TRIBUTARY TO BEESWAX CREEK-LITTLE BEESWAX CREEK

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FLOODING SOURCE	PANEL[1]	ELEVATION DIFFERENCE[2] BETWEEN 1% (100-YEAR) FLOOD AND			FLOOD HAZARD FACTOR	ZONE	BASE FLOOD ELEVATION (FEET NGVD)[3]
		10% (10-YEAR)	2% (50-YEAR)	0.2% (500-YEAR)			
Tributary to Little Beeswax Creek							
Reach 1	145	-0.59	-0.17	+0.32	005	A1	Varies
Walthall Branch							
Reach 1	90	-0.73	-0.22	+0.38	005	A1	Varies
Locust Creek							
Reach 1	90	-2.59	-0.62	+0.54	025	A5	Varies
Reach 2	90	-5.66	-1.84	+3.49	055	A11	Varies

[1]Flood Insurance Rate Map Panel [2]Weighted Average [3]Rounded to Nearest Foot

TABLE 3

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD INSURANCE ZONE DATA

TRIBUTARY TO LITTLE BEESWAX CREEK-WALTHALL BRANCH-LOCUST CREEK

Zone B: Areas between the Special Flood Hazard Area and the limits of the 500-year flood, including areas of the 500-year flood plain that are protected from the 100-year flood by dike, levee, or other water control structure; areas subject to certain types of 100-year shallow flooding where depths are less than 1.0 foot; or areas subject to 100-year flooding from sources with drainage areas less than 1 square mile. Zone B is not subdivided.

Zone C: Areas of minimal flooding.

Table 3, "Flood Insurance Zone Data," summarizes the flood elevation differences, FHFs, flood insurance zones, and base flood elevation for each flood[illegible]g source studied in detail in the community.

5.4 Flood Insurance Rate Map Description

The Flood Insurance Rate Map for Shelby County is, for insurance purposes, the principal result of the Flood Insurance Study. This map (published separately) contains the official delineation of flood insurance zones and base flood elevation lines. Base flood elevation lines show the locations of the expected whole-foot water-surface elevations of the base (100-year) flood. This map is developed in accordance with the latest flood insurance map preparation guidelines published by FEMA.

6.0 OTHER STUDIES

This study is authoritative for the purposes of the Flood Insurance Program; data presented herein either supersede or are compatible with all previous determinations. Flood Insurance Studies for areas near Shebly County in Jefferson County exist and are applicable. See section 3.2, Hydraulic Analysis, for conditions encountered in order to match the existing Jefferson County study.

7.0 LOCATION OF DATA

Information concerning the pertinent data used in preparation of this study can be obtained by contacting the Natural and Technological Hazards Division, Federal Emergency Management Agency, 1375 Peachtree Street, N.E., Suite 778, Atlanta, Georgia 30309.

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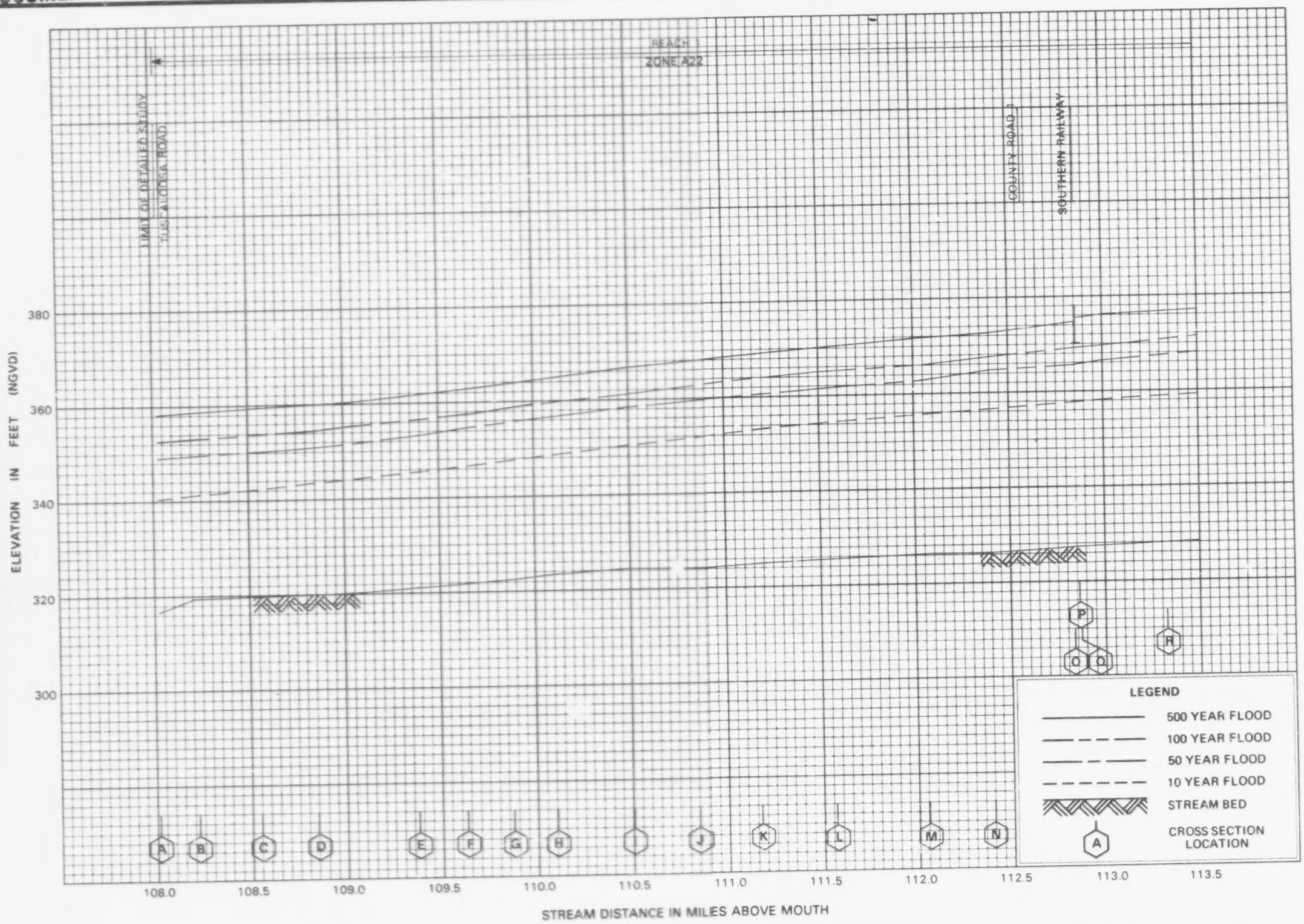

FLOOD PROFILES

CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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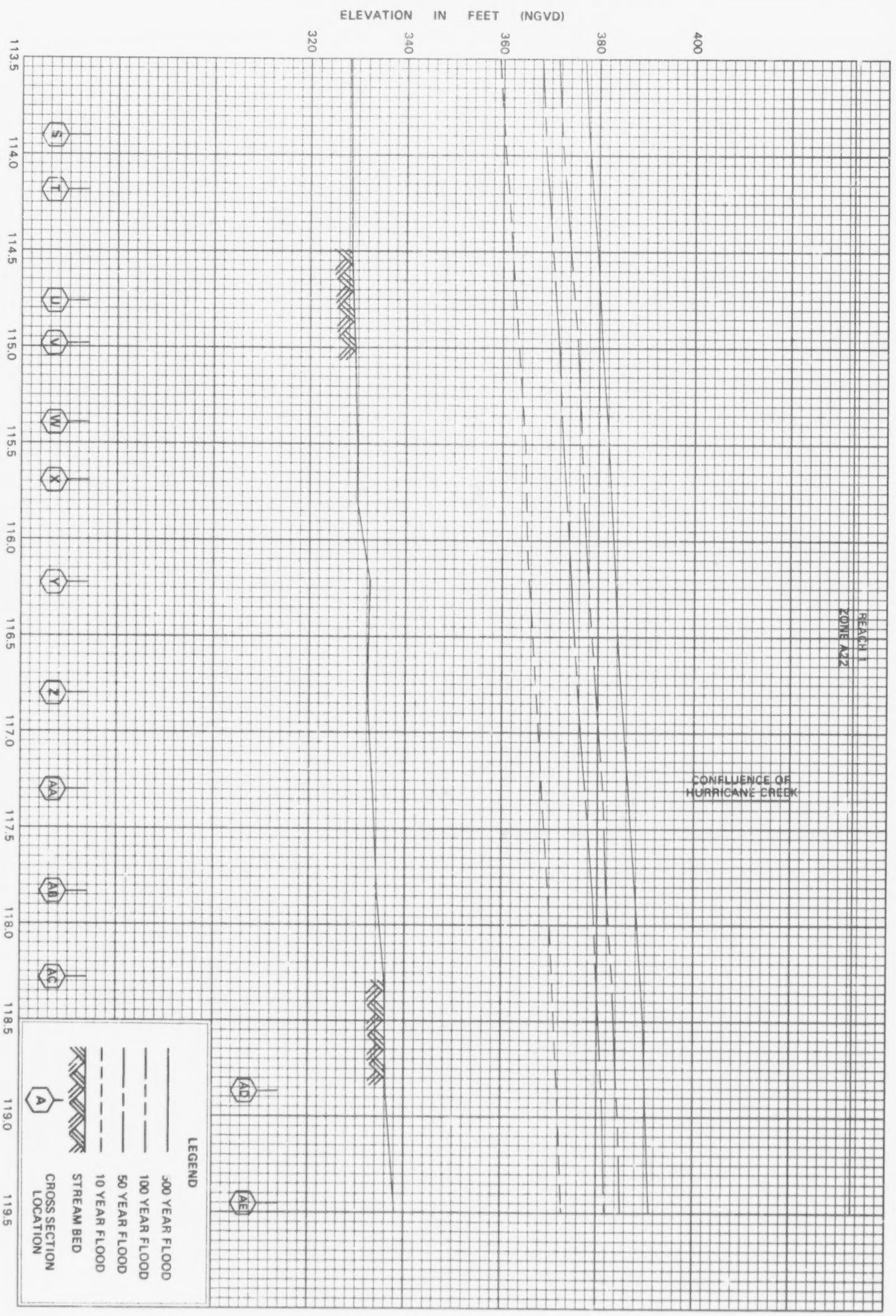

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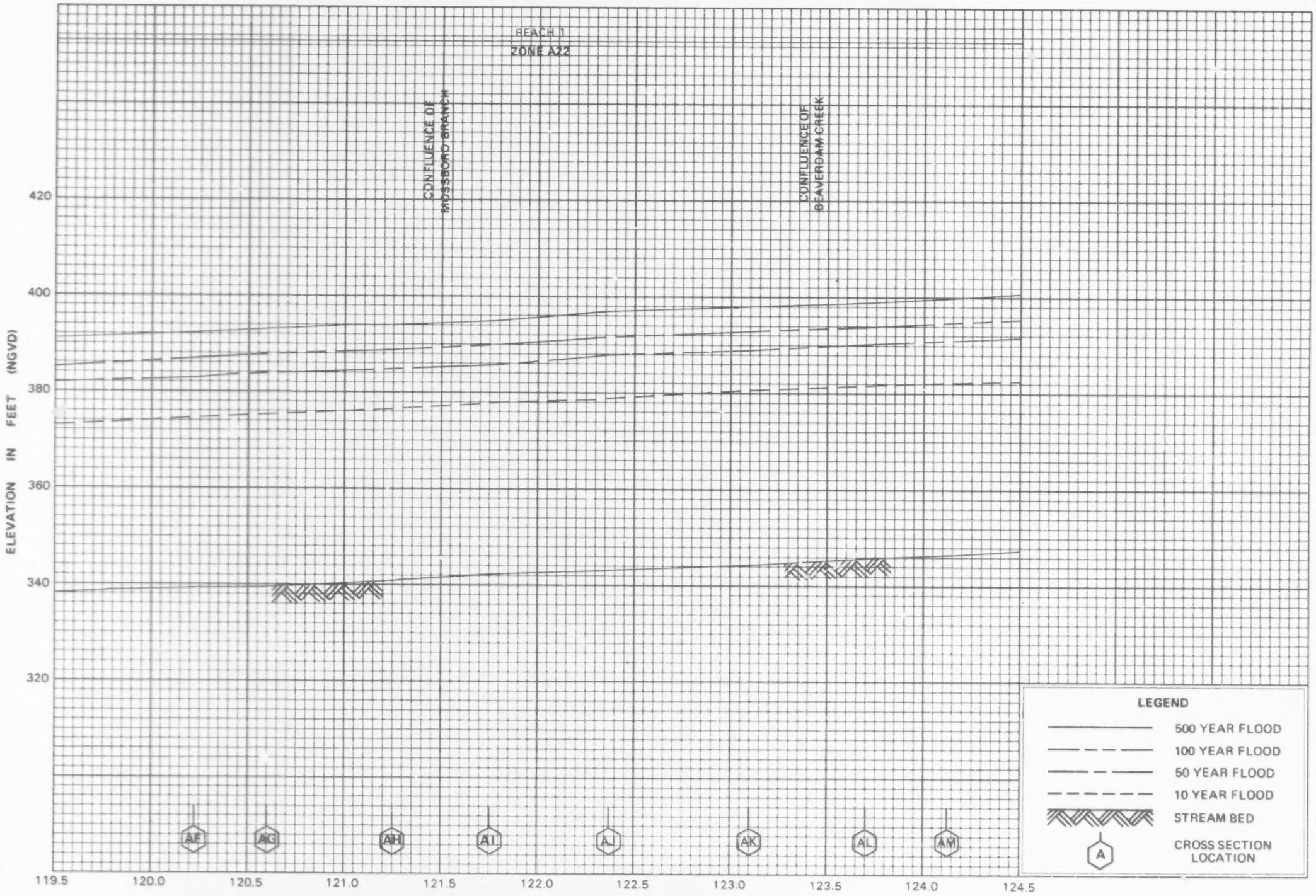

FLOOD PROFILES

CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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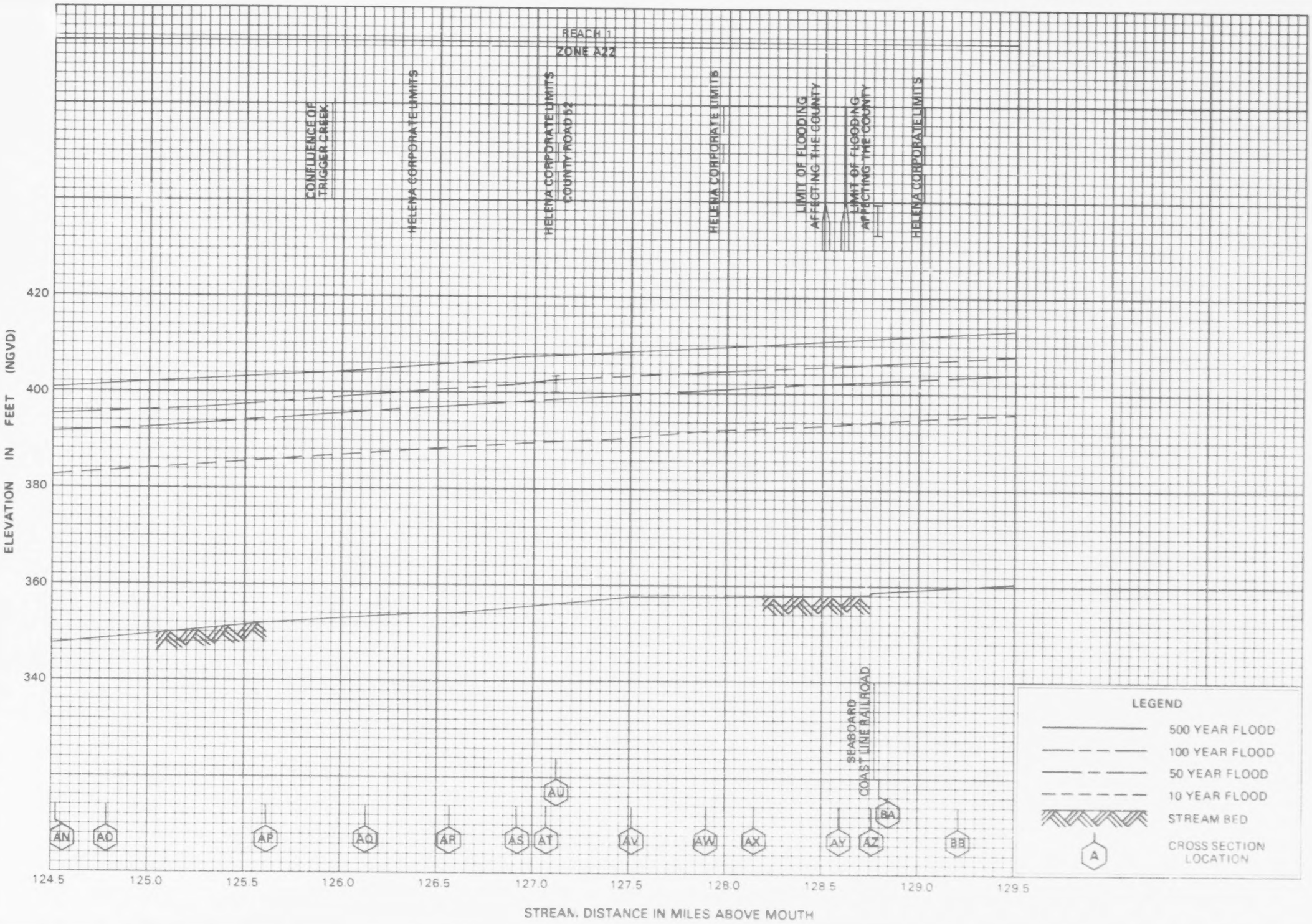

FLOOD PROFILES

CAHABA RIVER

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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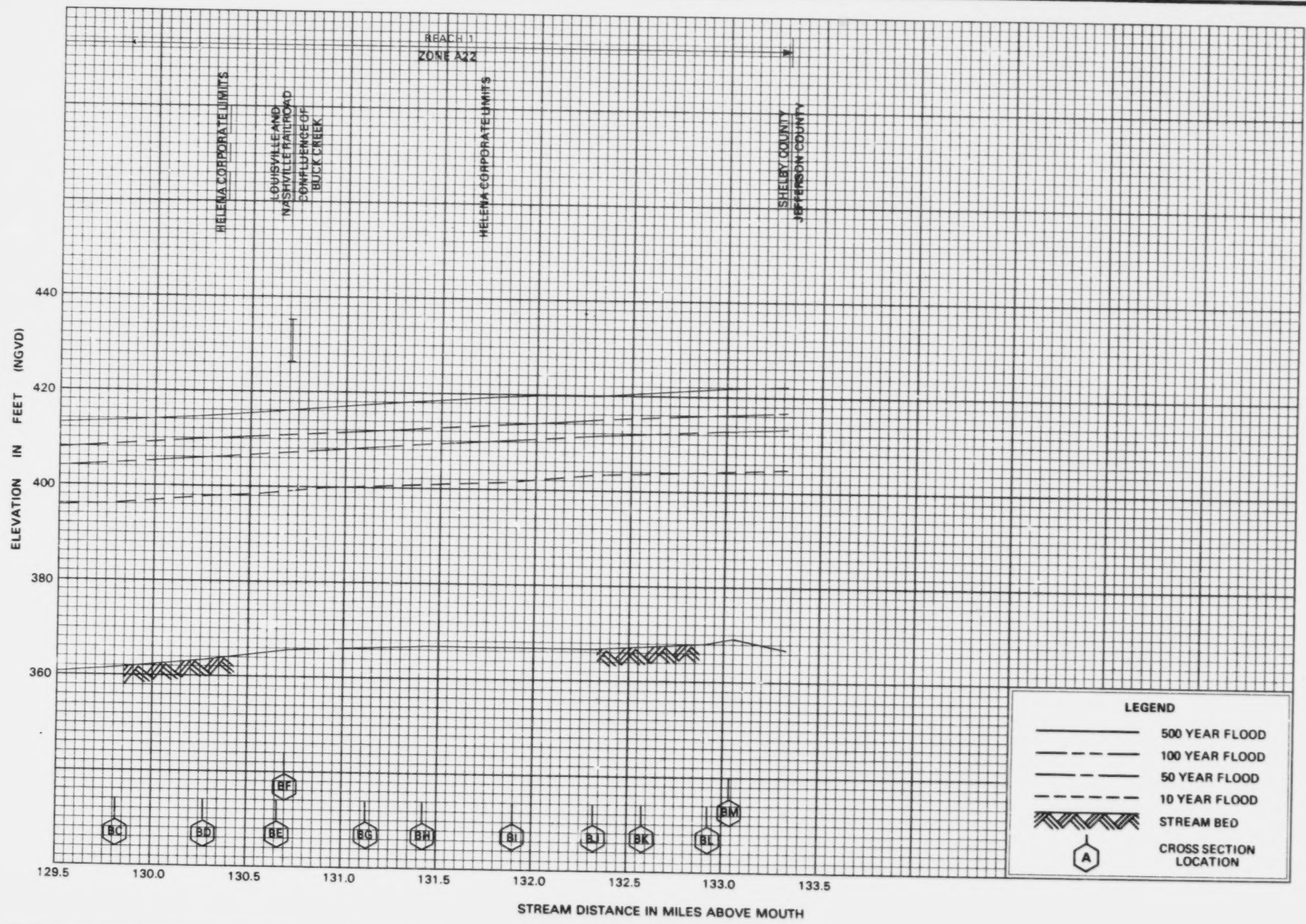

FLOOD PROFILES

CAHABA RIVER

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(UNINCORPORATED AREAS)

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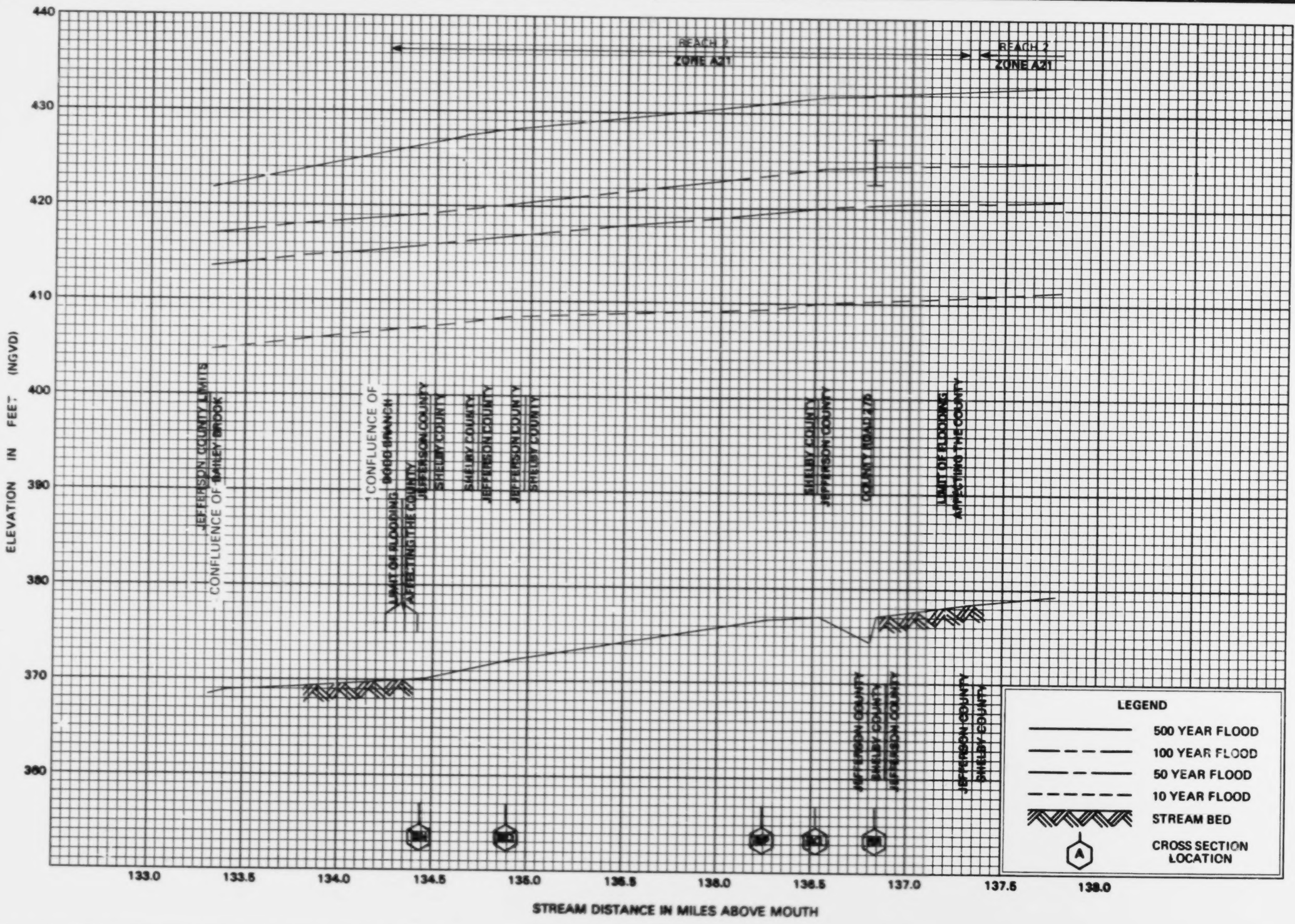

FLOOD PROFILES

CAHABA RIVER

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(UNINCORPORATED AREAS)

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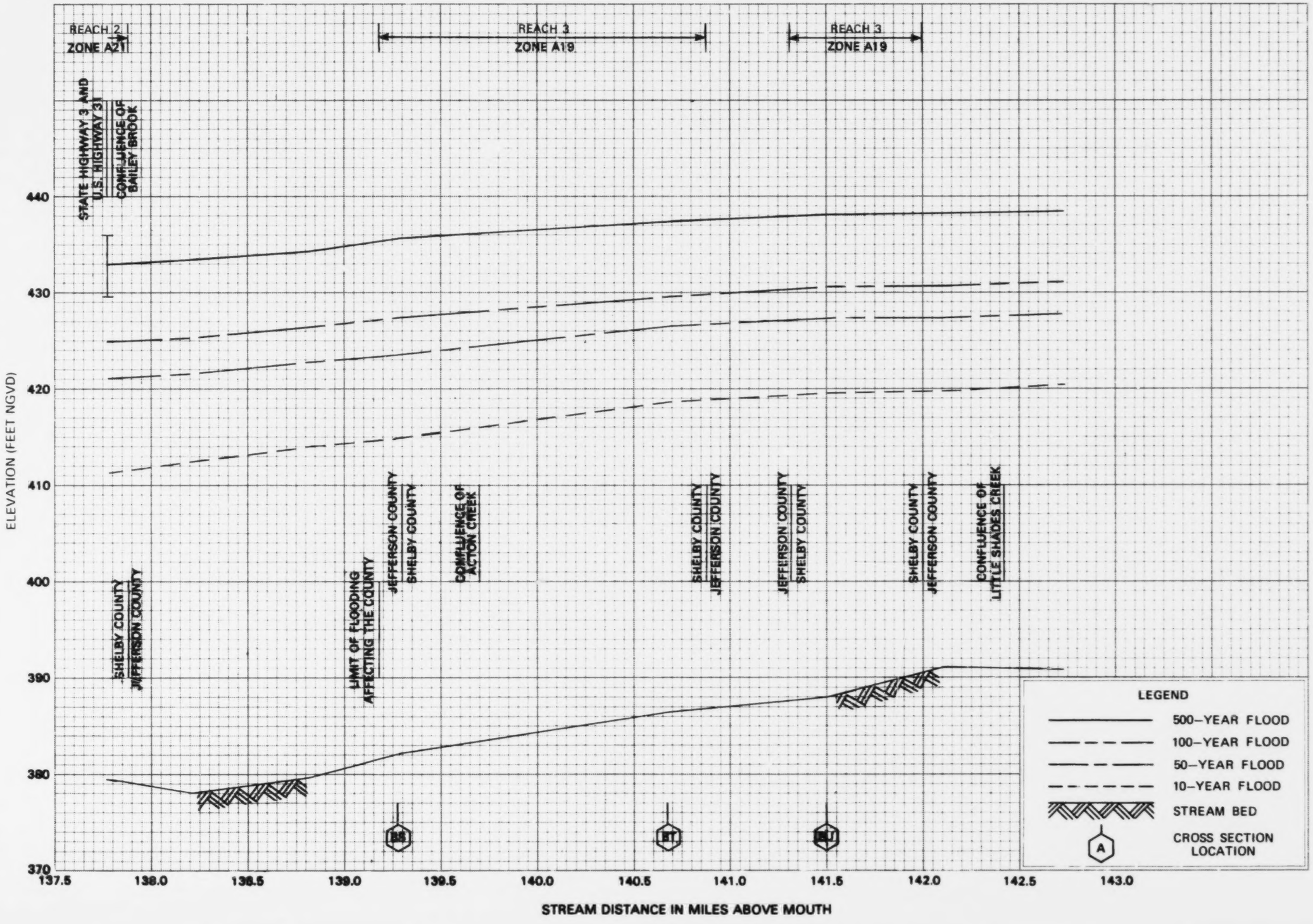

FLOOD PROFILES

CAHABA RIVER

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SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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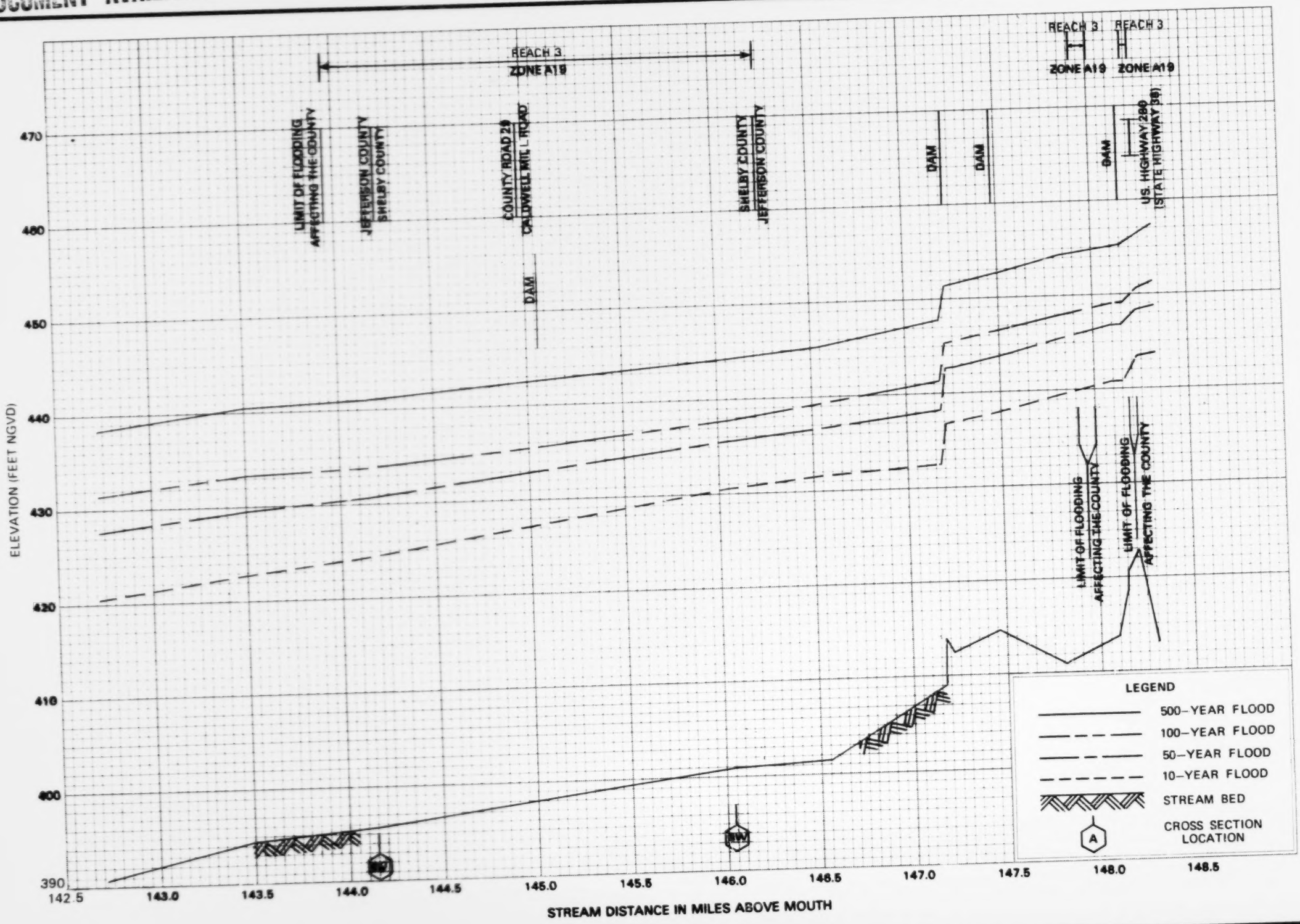

FLOOD PROFILES

CAHABA RIVER

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SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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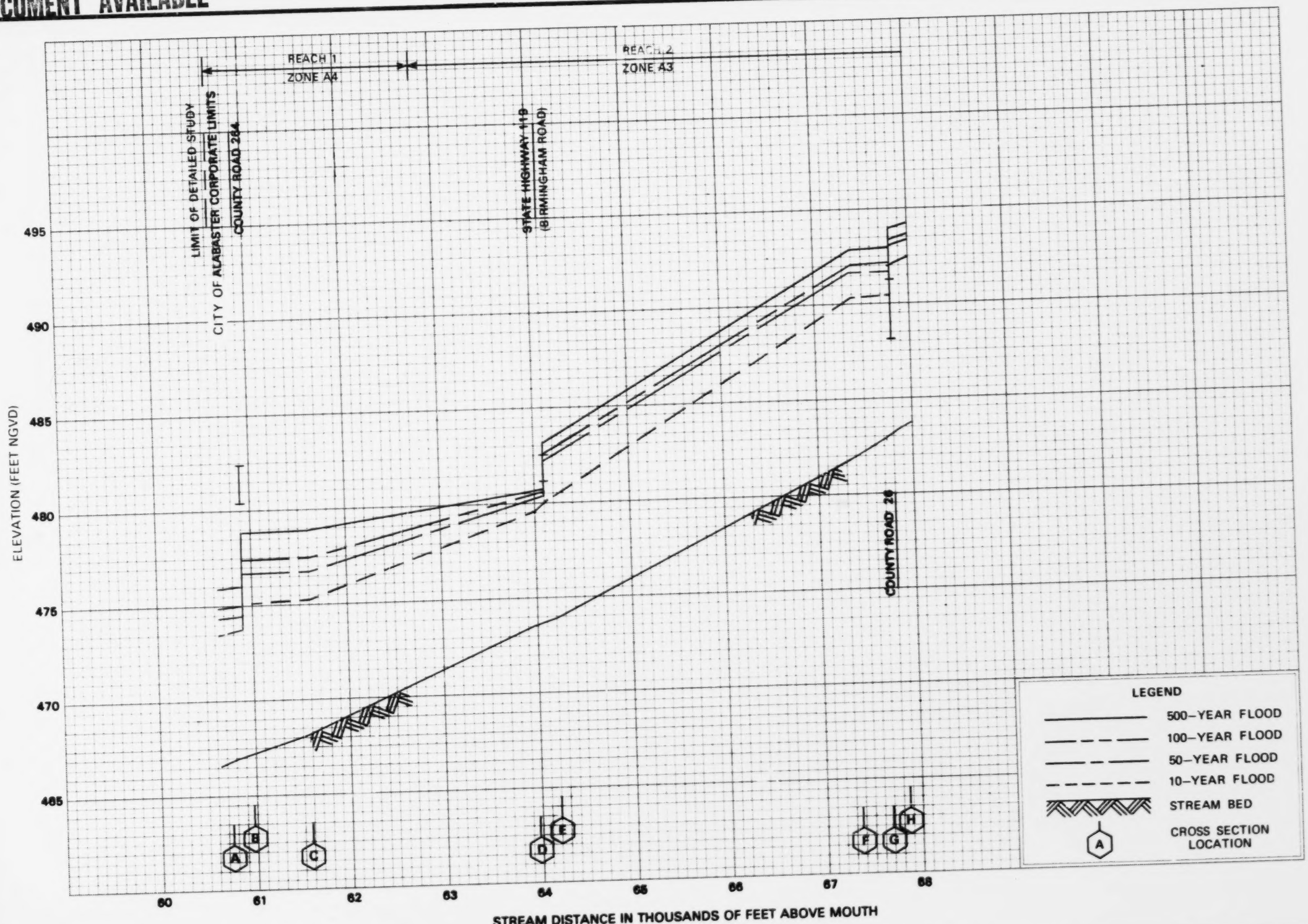

FLOOD PROFILES

BUCK CREEK

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SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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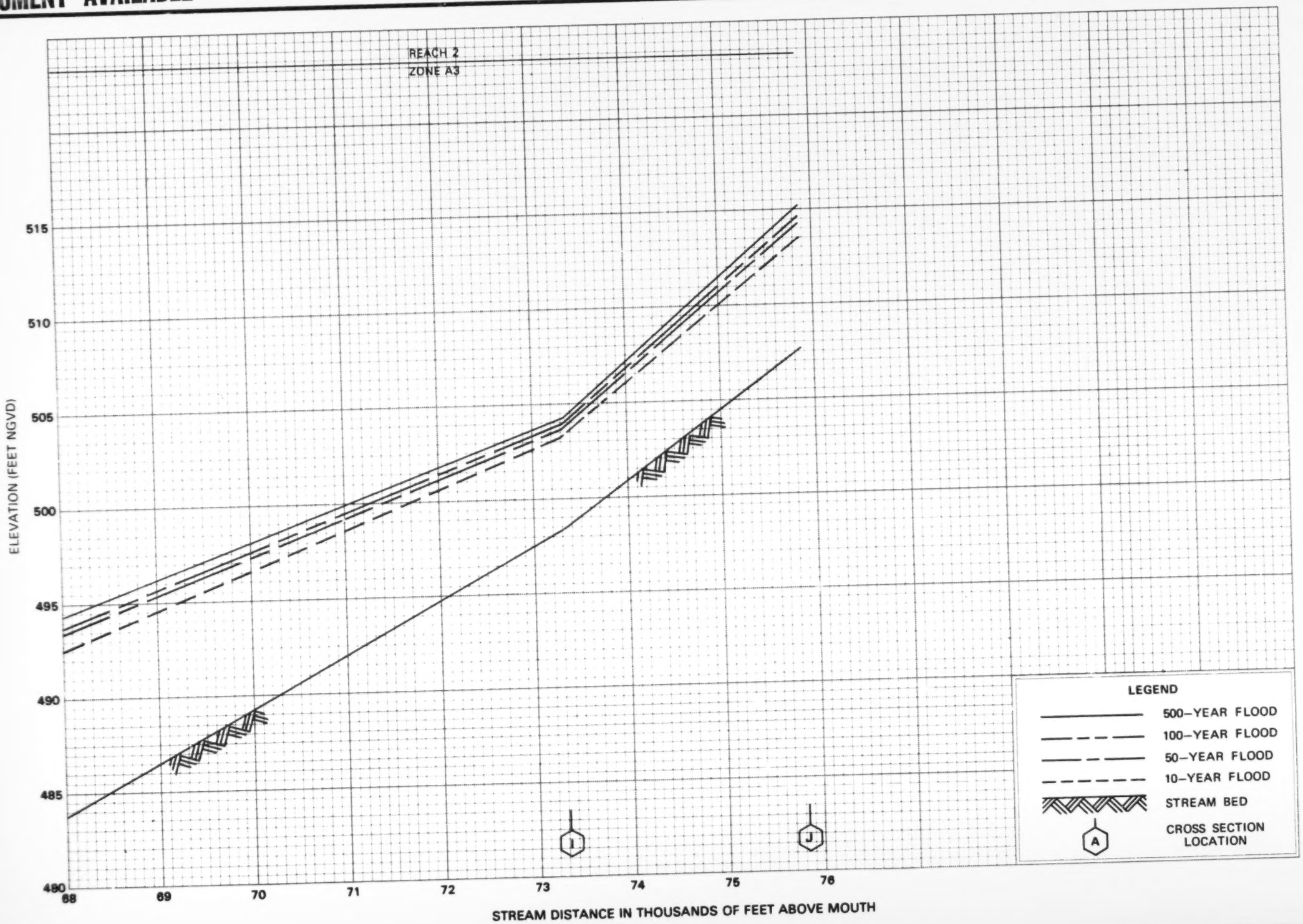

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BUCK CREEK

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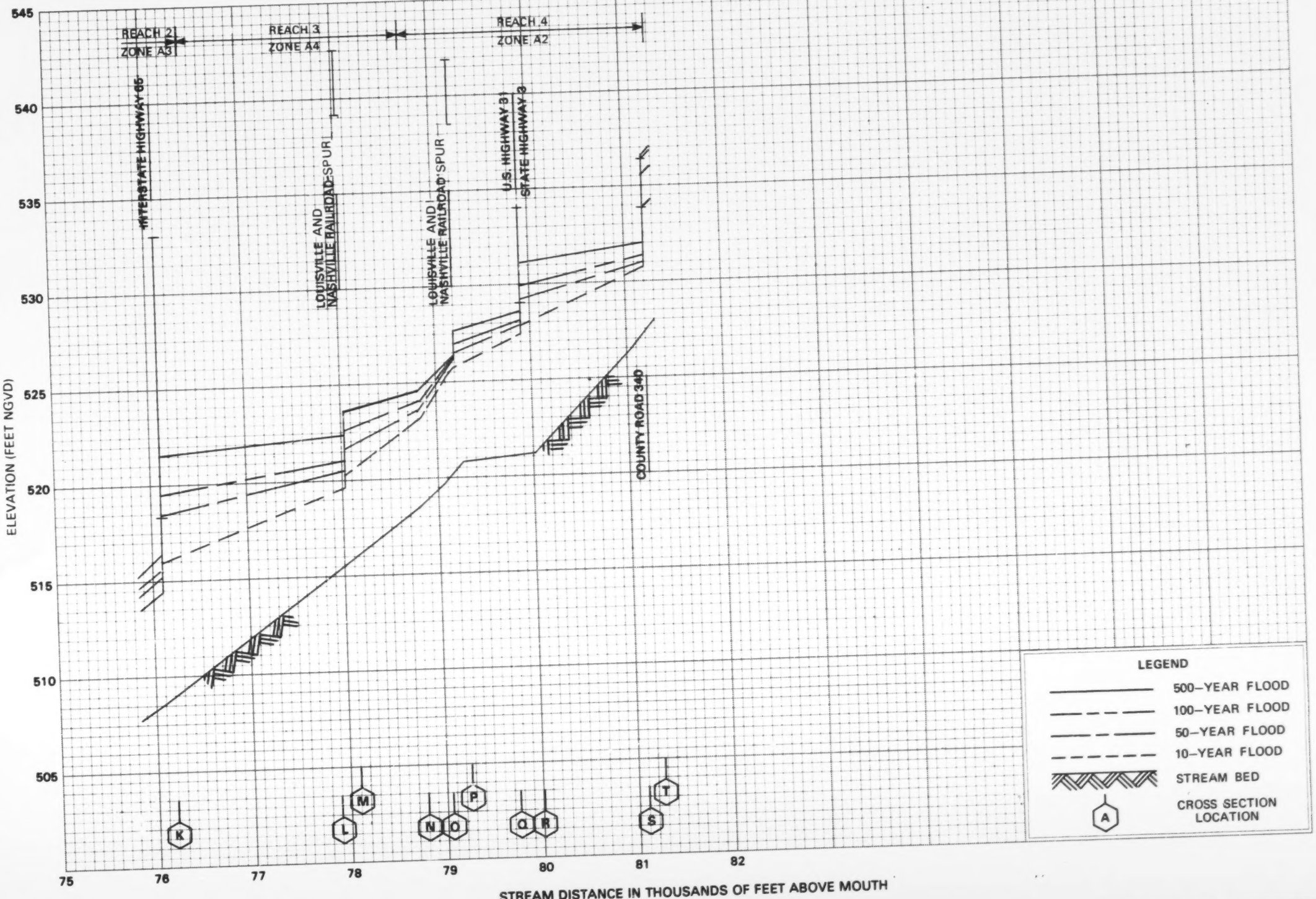

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BUCK CREEK

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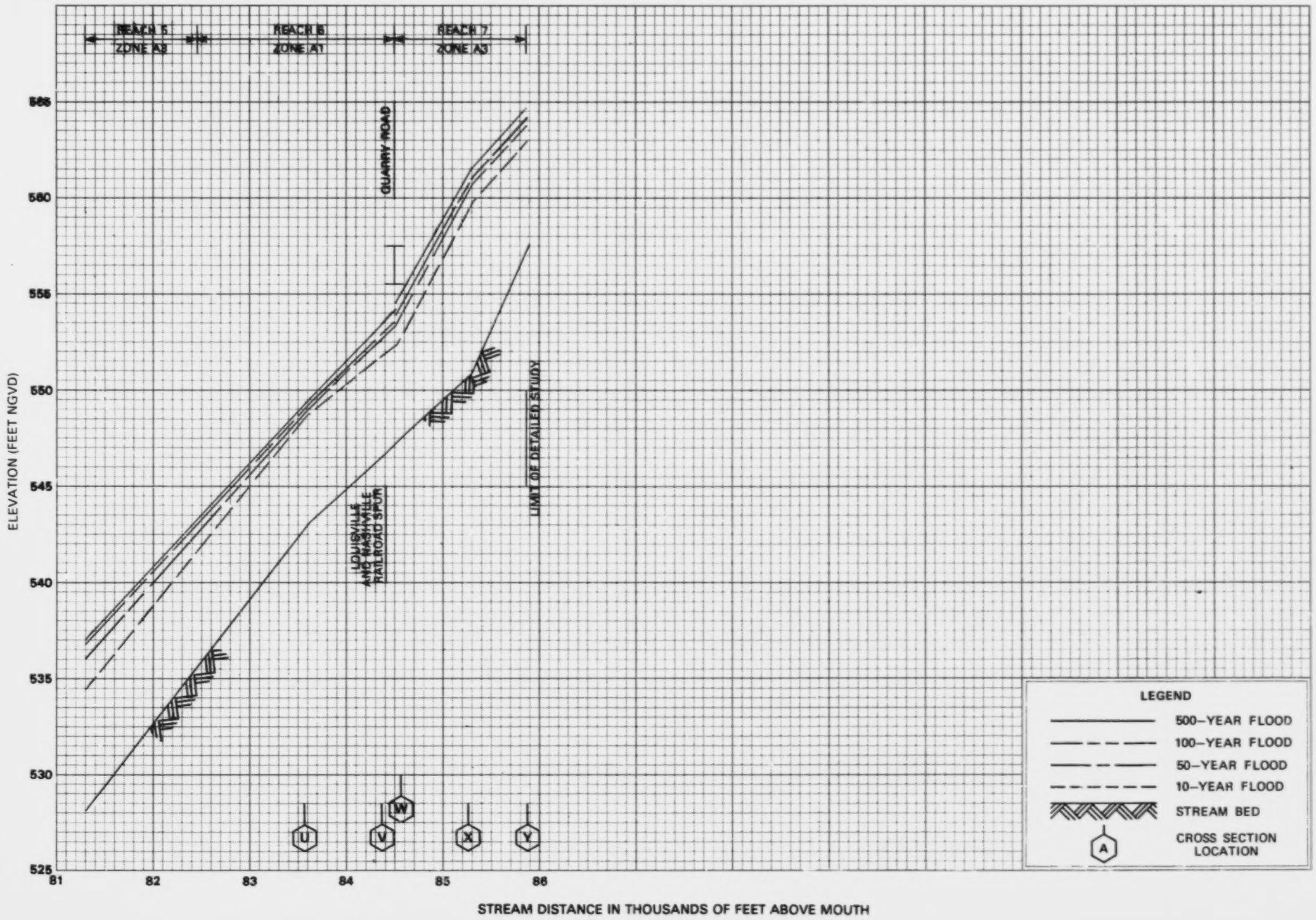

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BUCK CREEK

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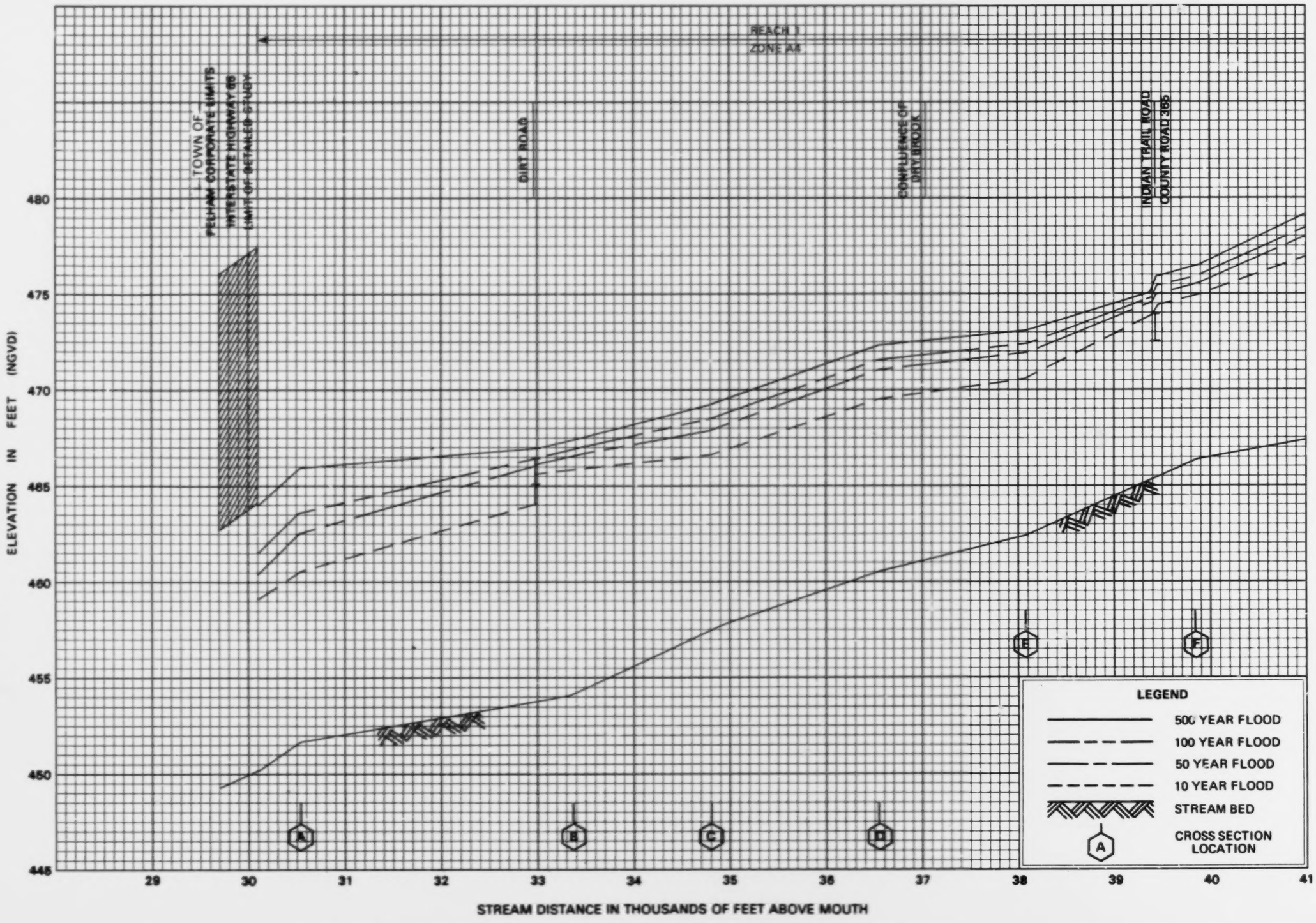

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BISHOP CREEK

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(UNINCORPORATED AREAS)

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REACH 1
ZONE A4

DIRT ROAD
STATE HIGHWAY 119
CAHABA VALLEY ROAD
UNNAMED ROAD

ELEVATION IN FEET (NGVD)

500
495
490
485
480
475
470
465

41 42 43 44 45 46 47 48 49 50 51 52 53 54

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE MOUTH

G H I J K

LEGEND
- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- A — CROSS SECTION LOCATION

FLOOD PROFILES

BISHOP CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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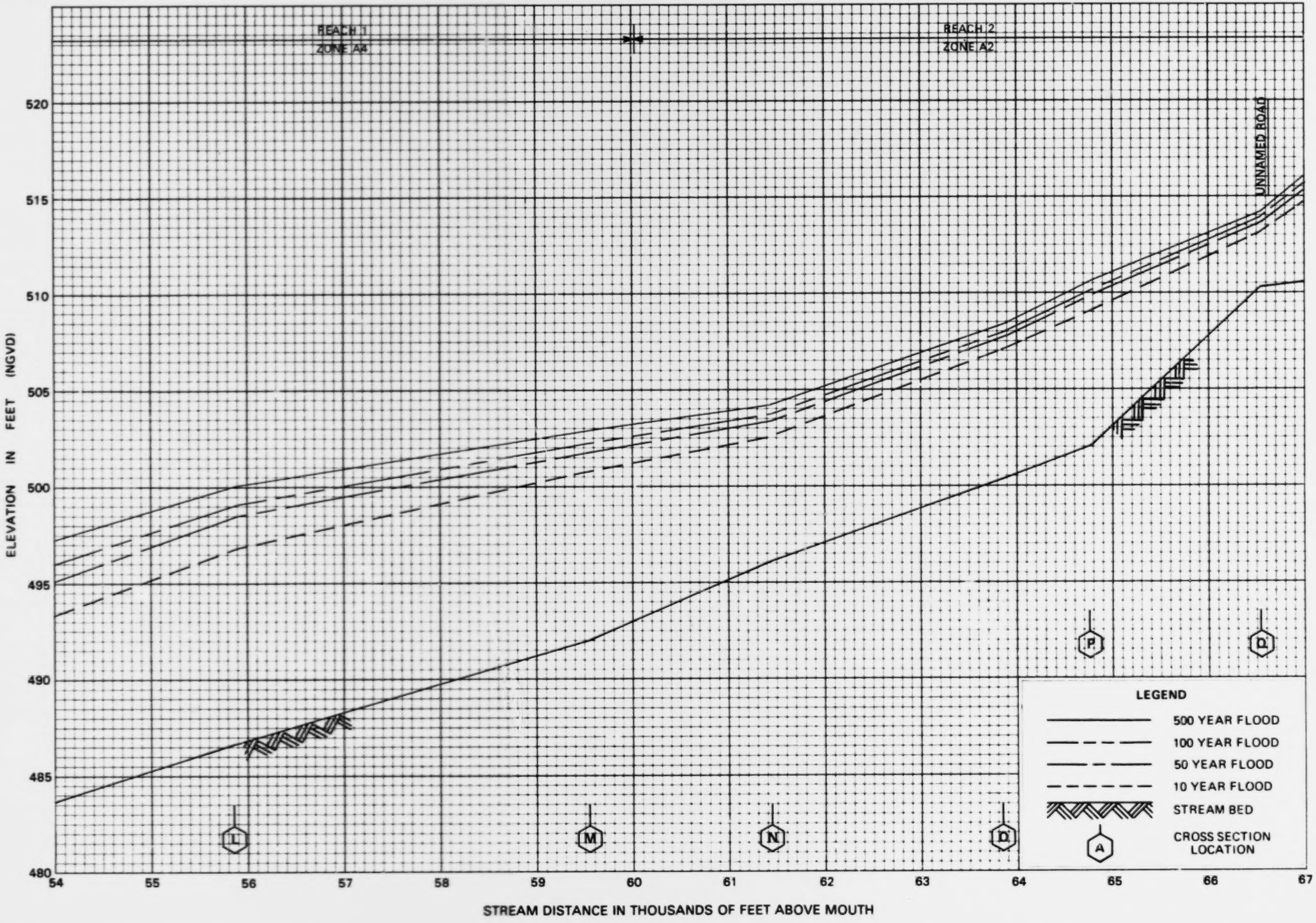

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BISHOP CREEK

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SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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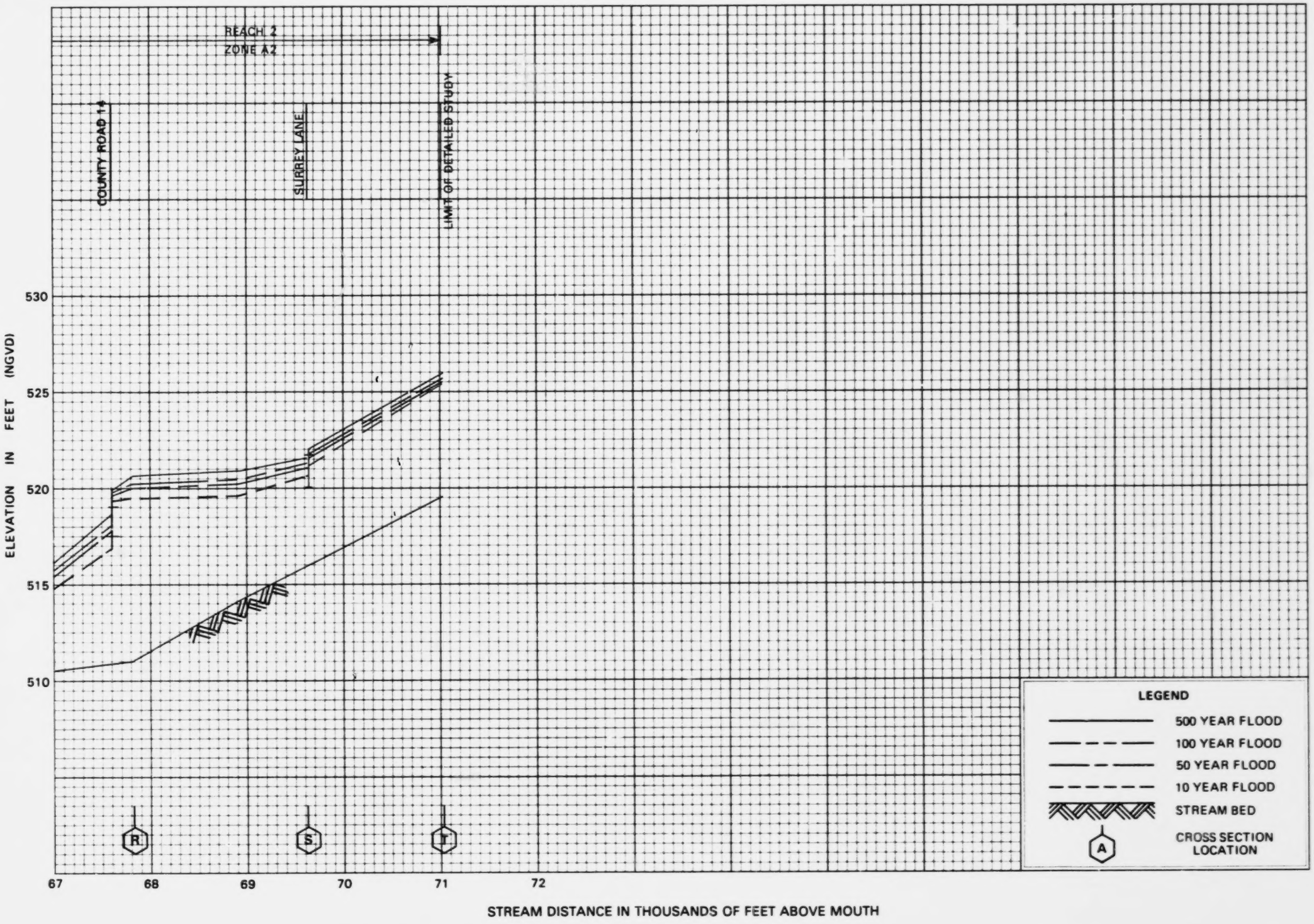

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BISHOP CREEK

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SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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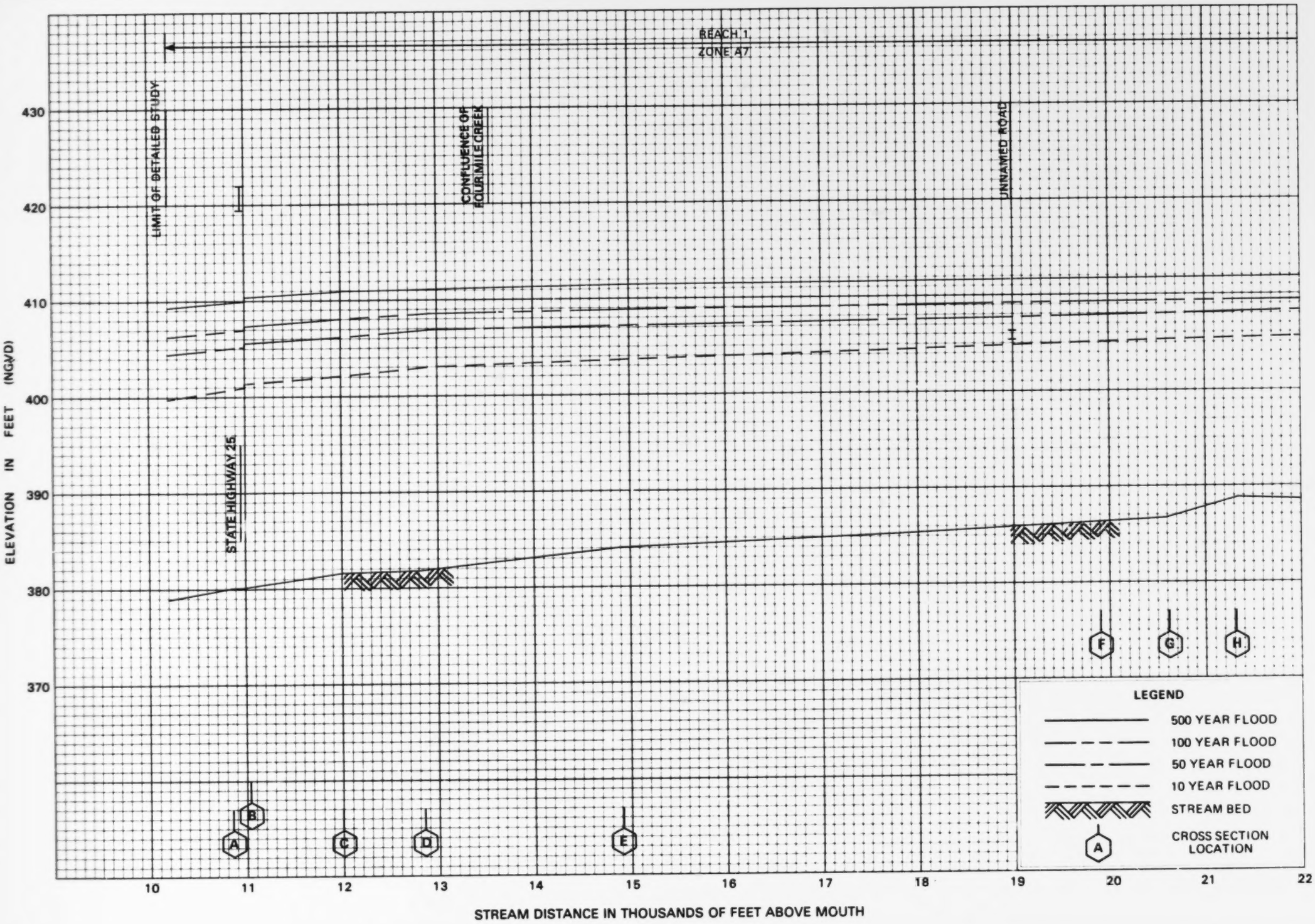

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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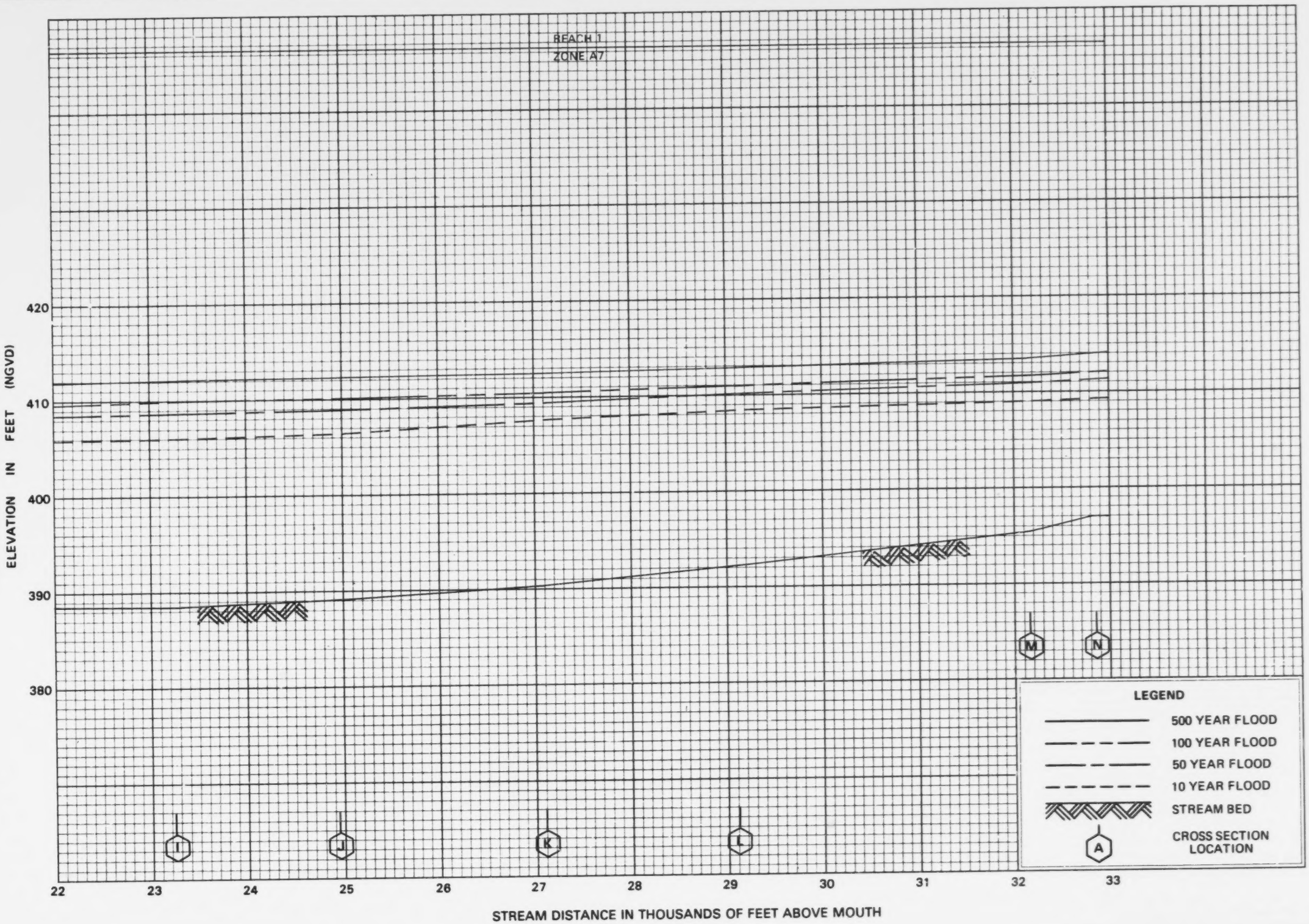

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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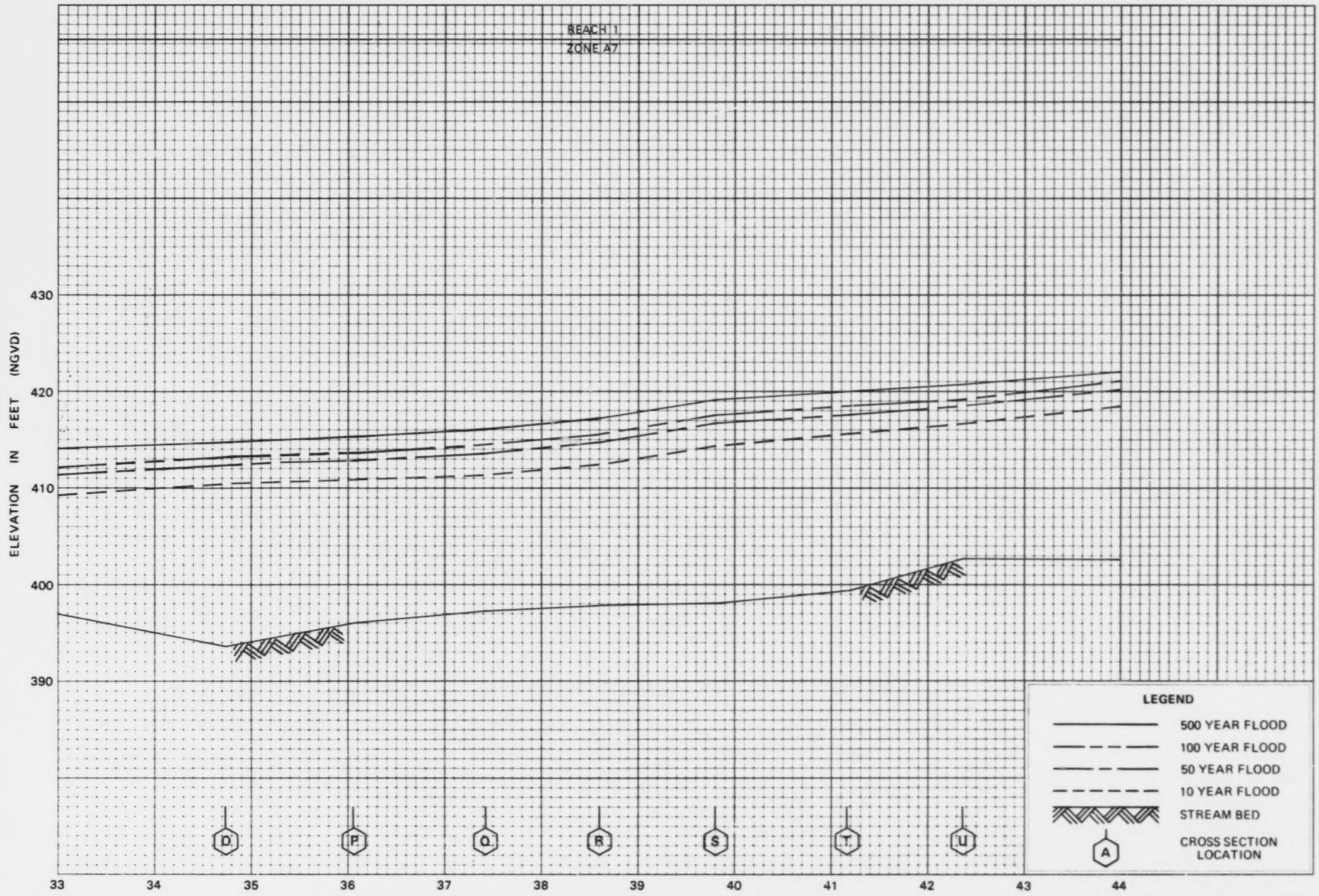

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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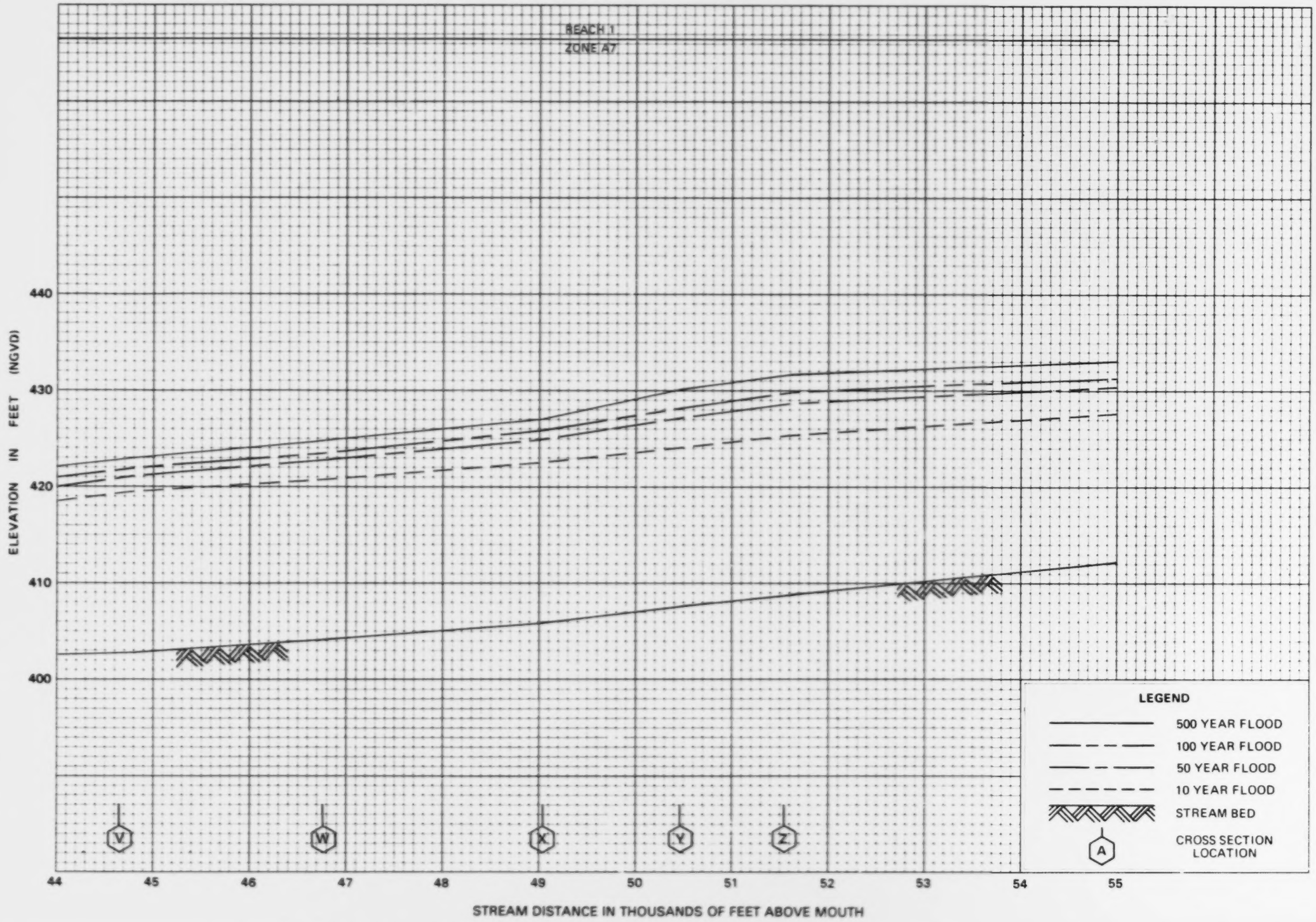

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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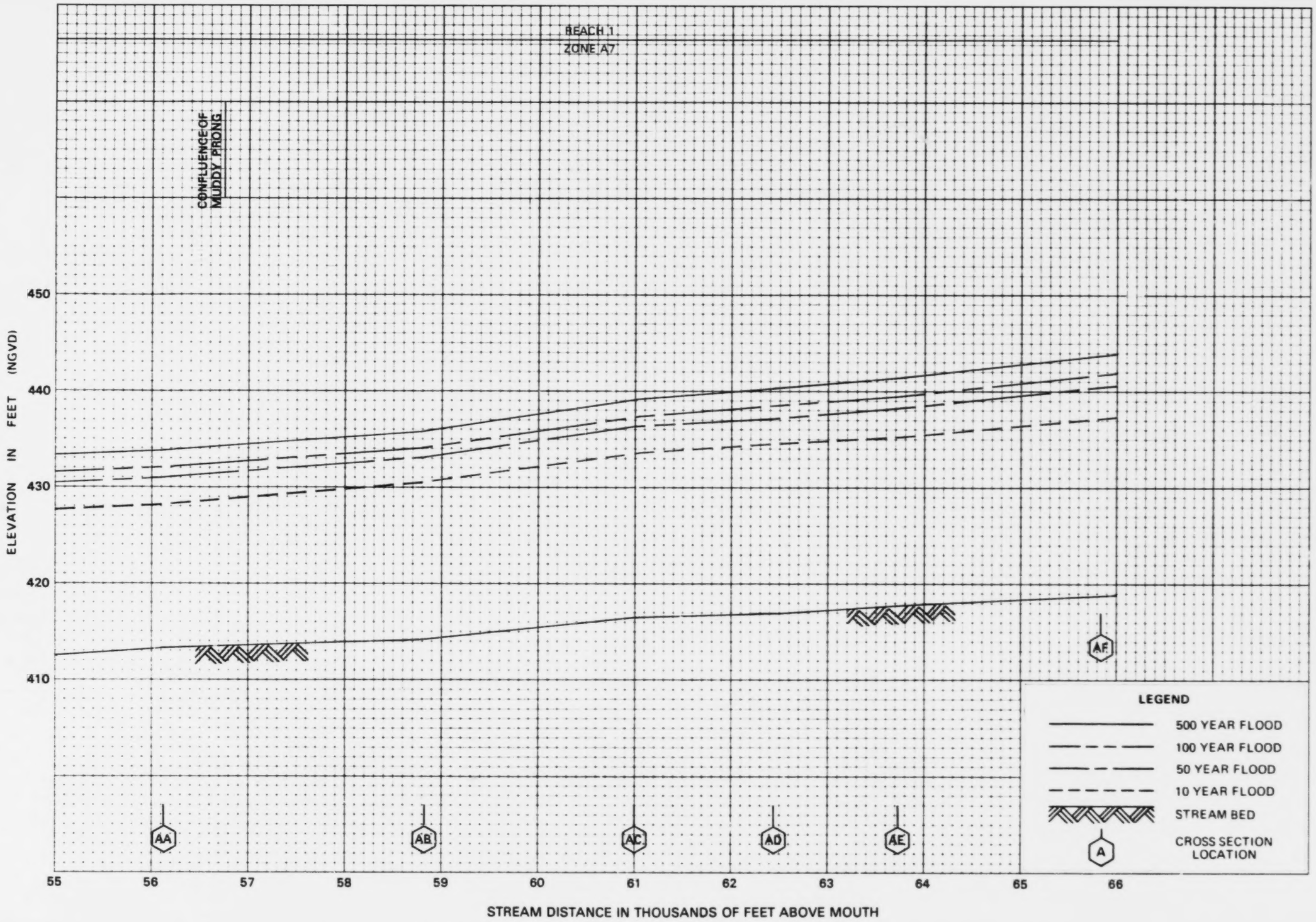

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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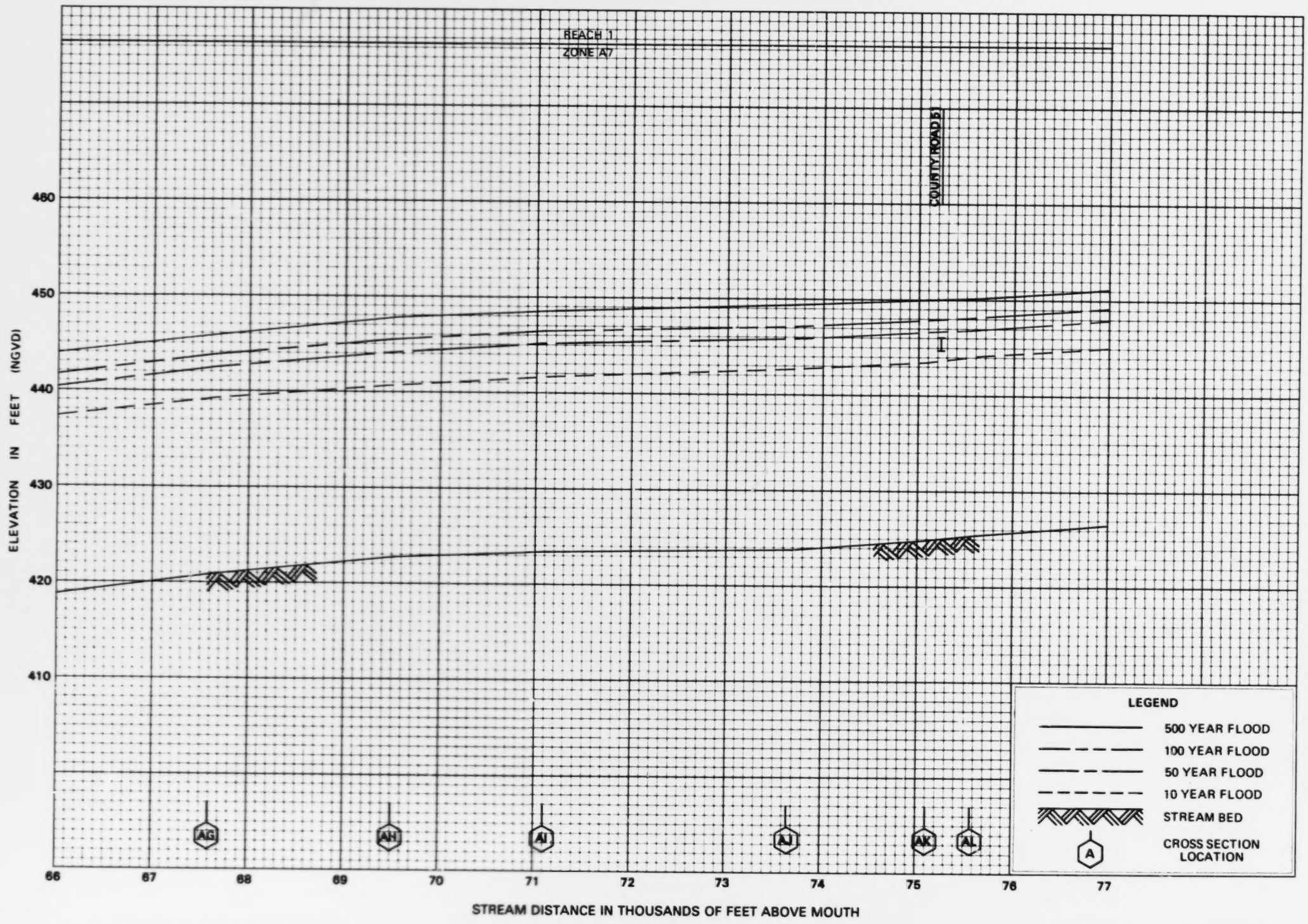

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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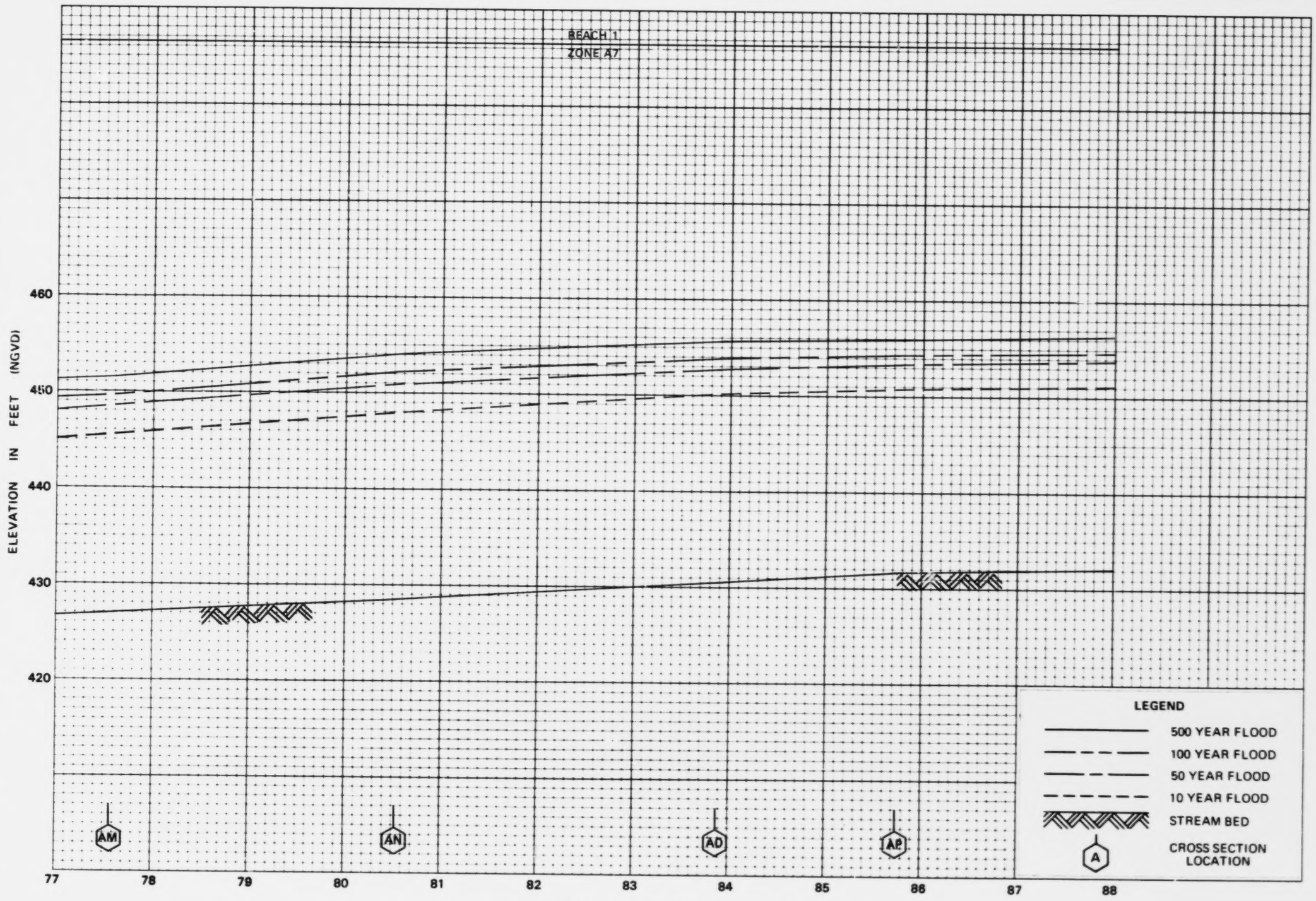

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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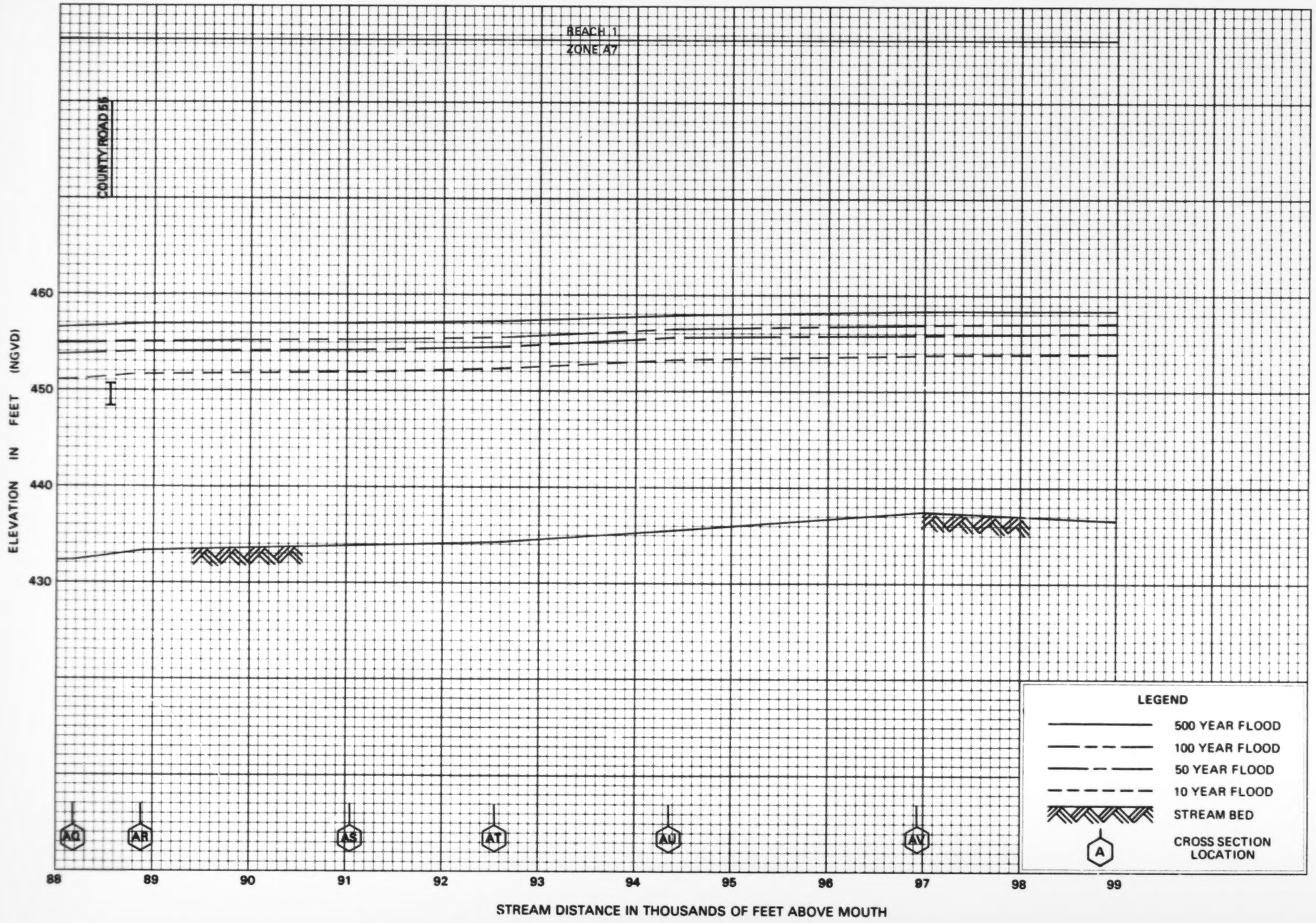

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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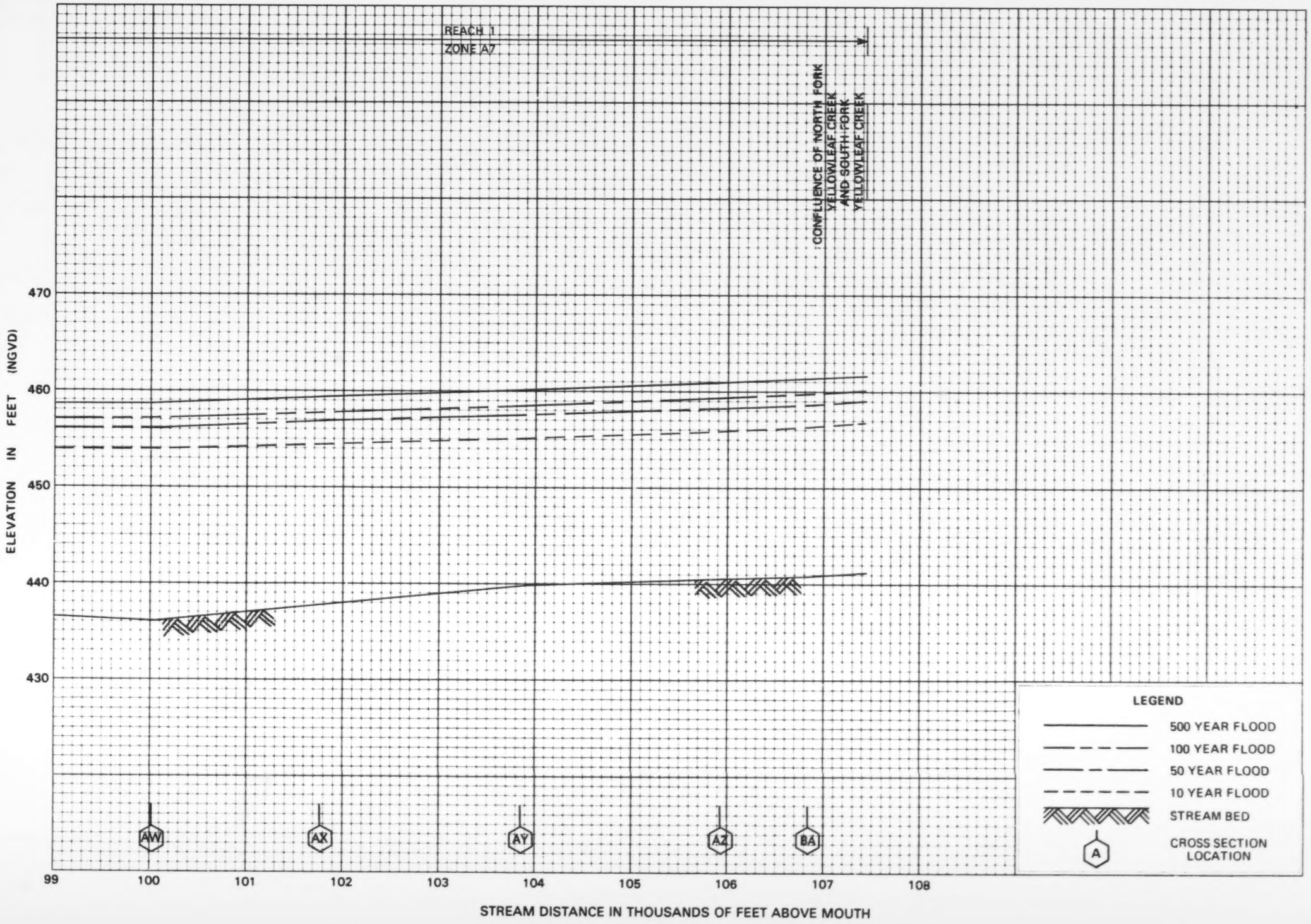

FLOOD PROFILES

YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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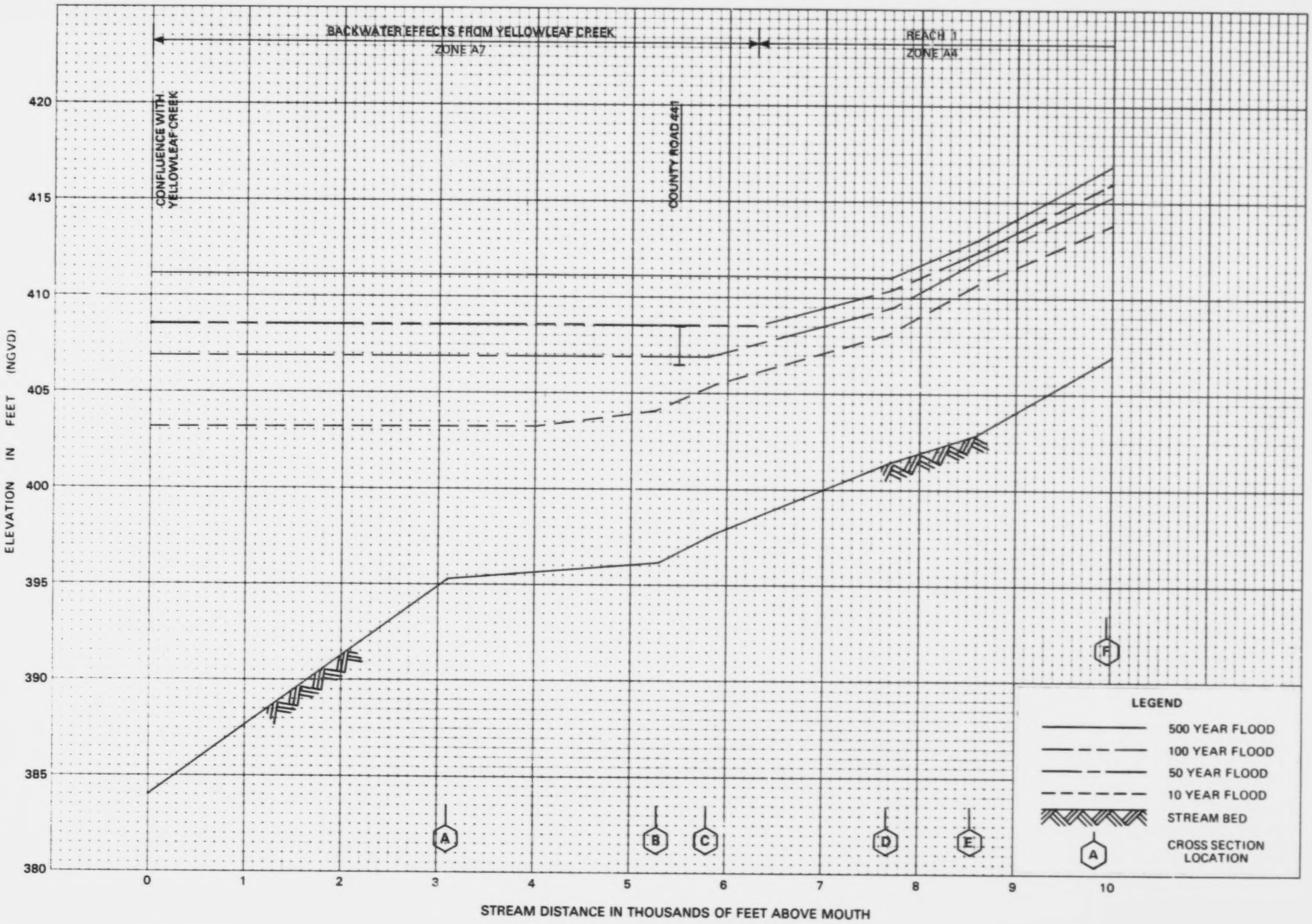

FLOOD PROFILES

FOUR MILE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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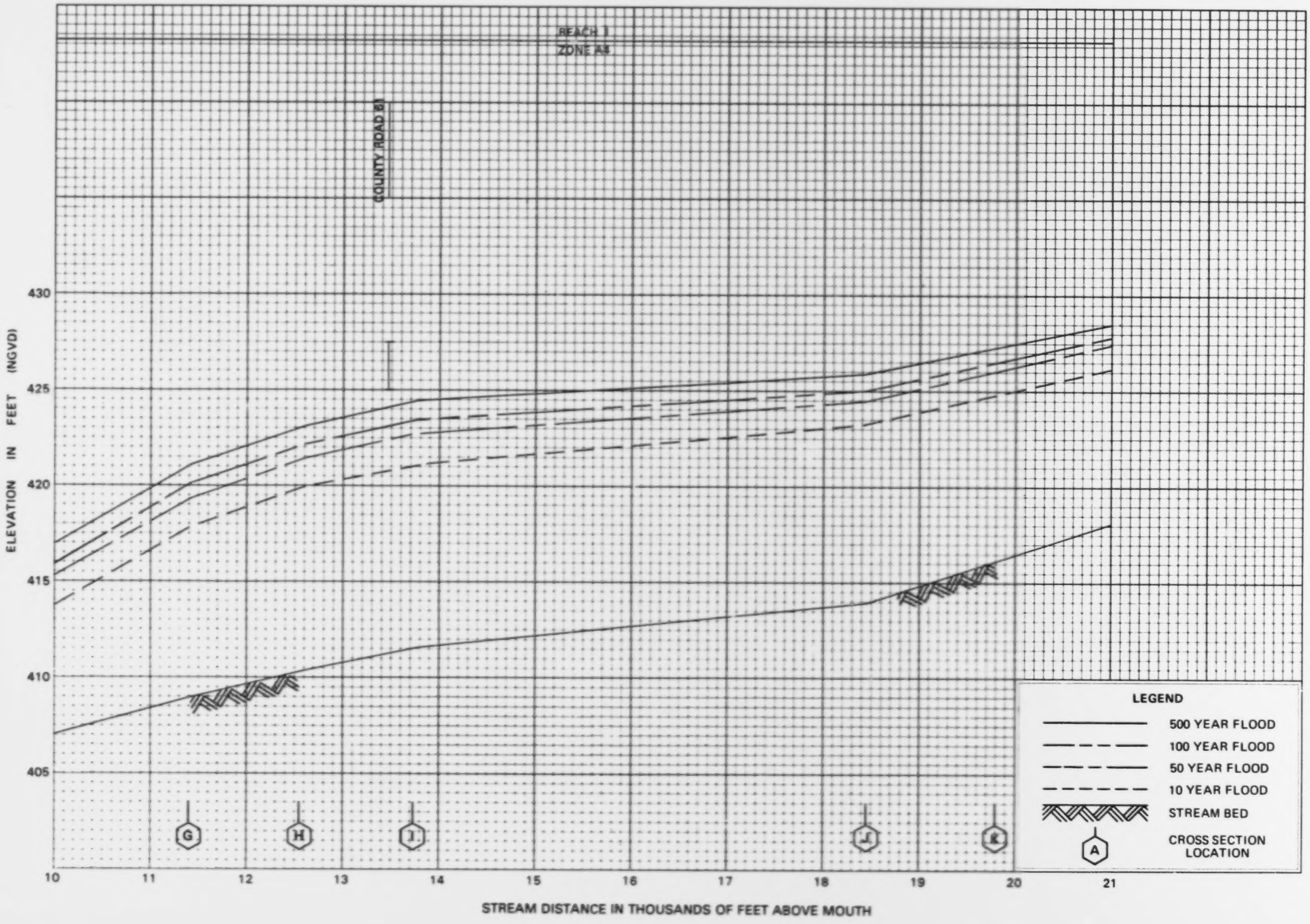

FLOOD PROFILES

FOUR MILE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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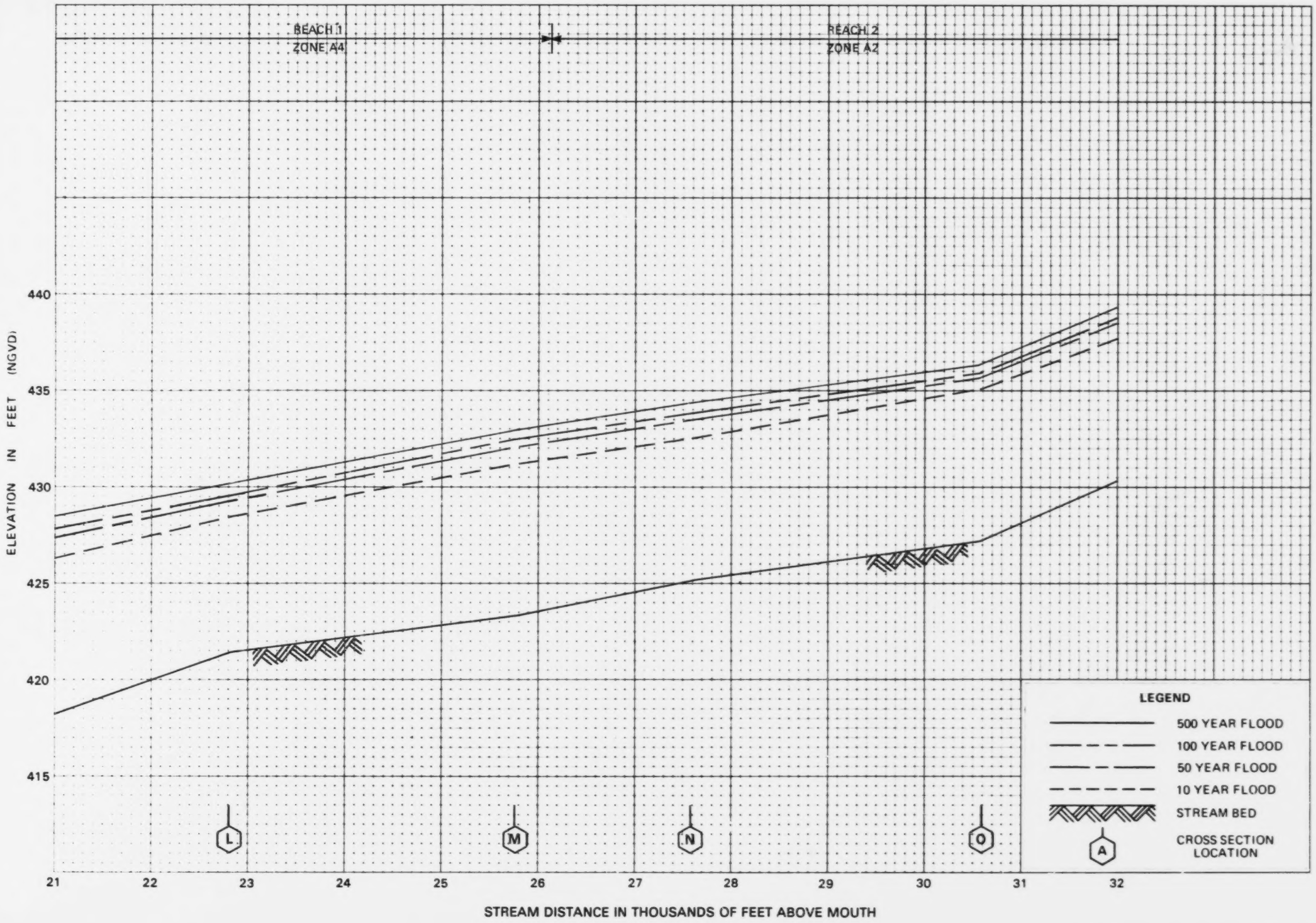

FLOOD PROFILES

FOUR MILE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

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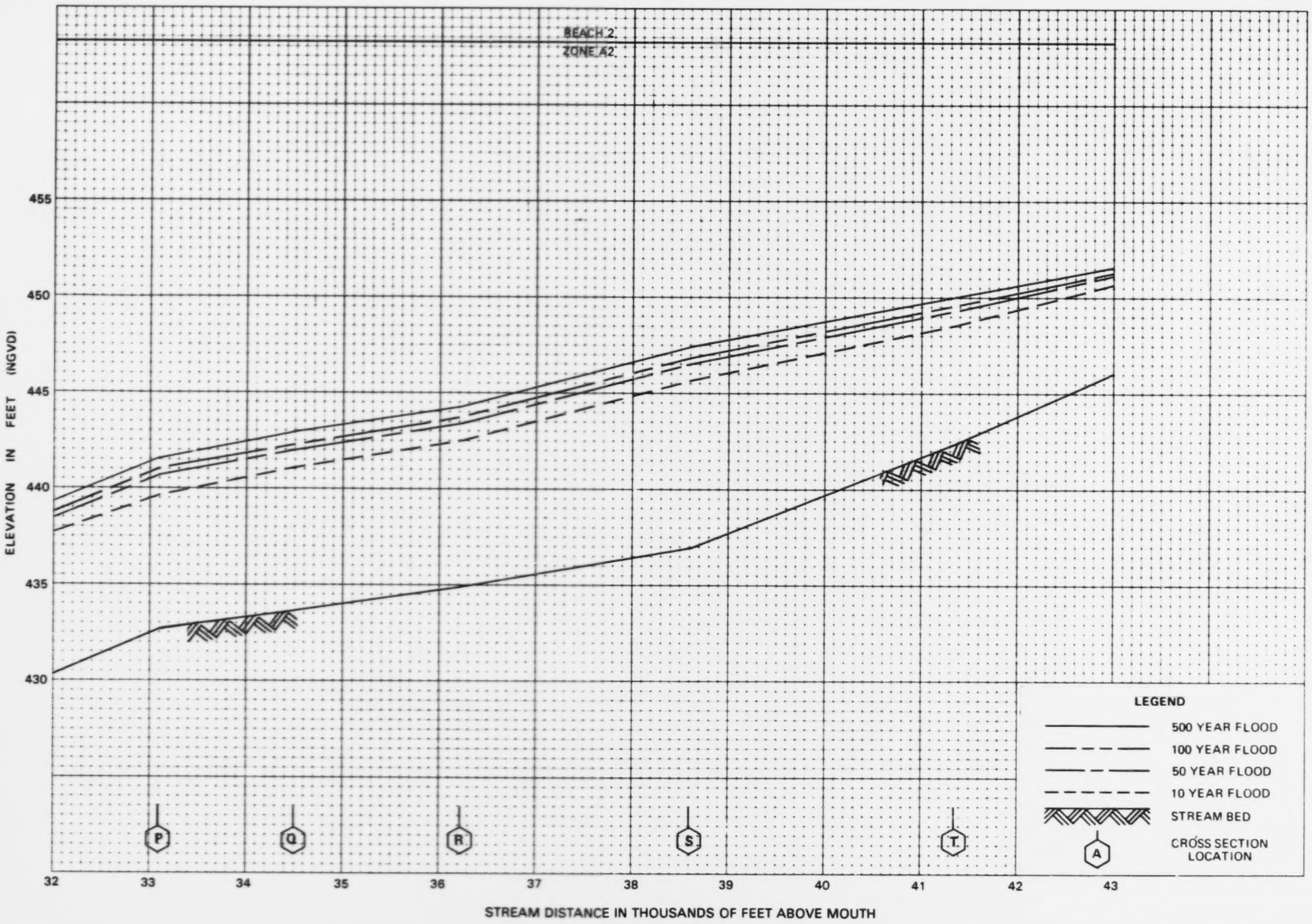

FLOOD PROFILES

FOUR MILE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

29P

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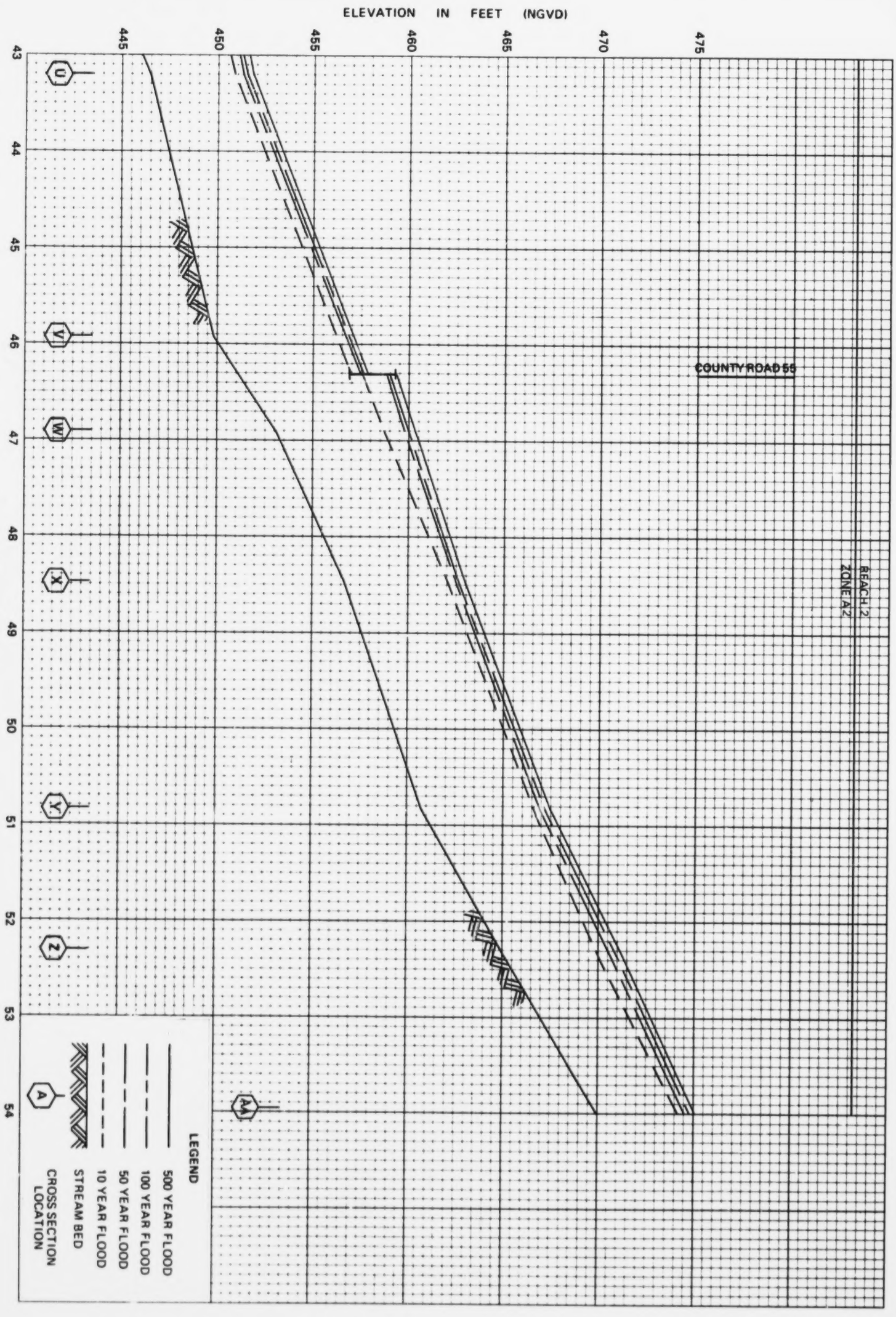

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30P	FEDERAL EMERGENCY MANAGEMENT AGENCY **SHELBY COUNTY, AL** **(UNINCORPORATED AREAS)**	**FLOOD PROFILES** **FOUR MILE CREEK**

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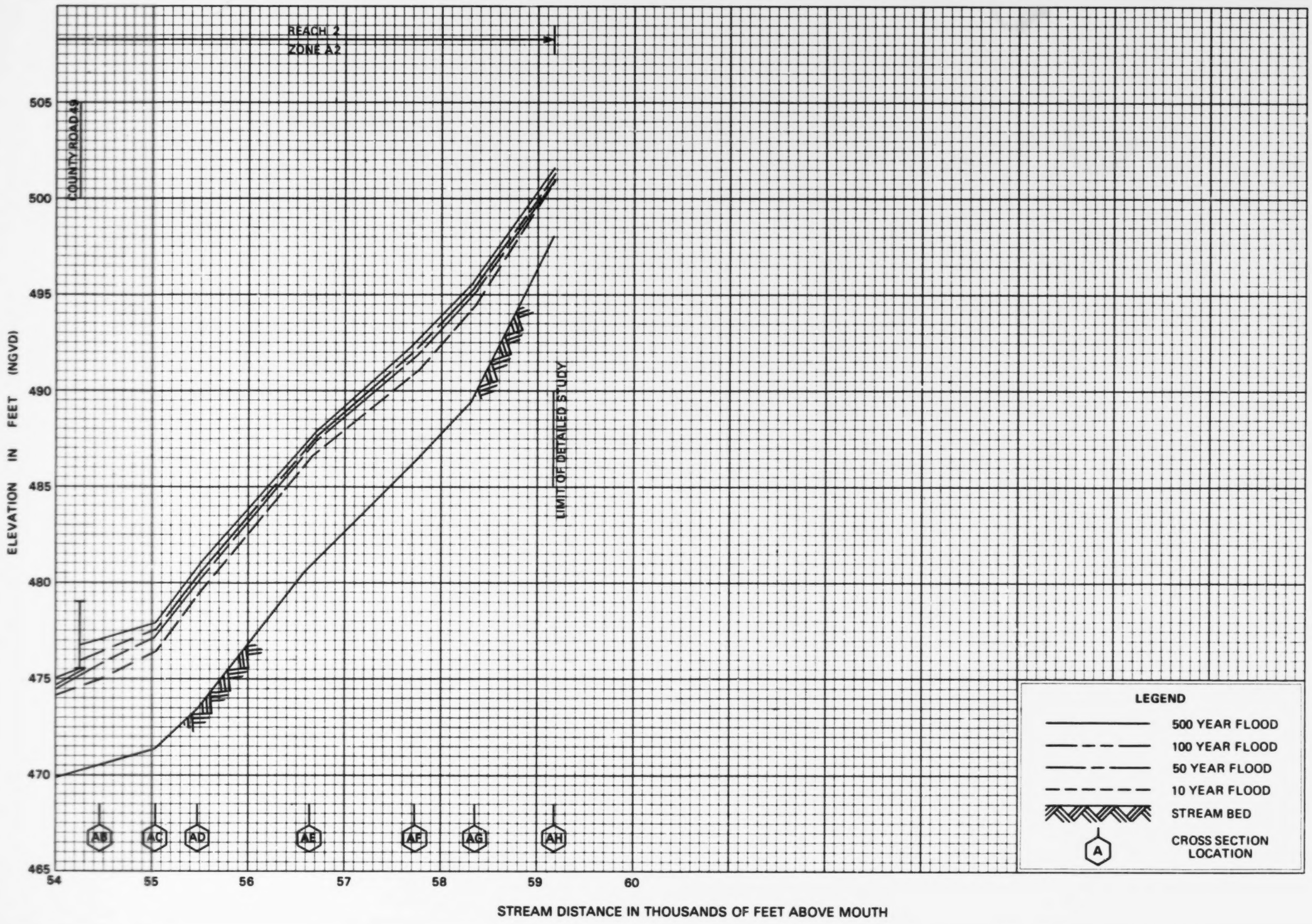

FLOOD PROFILES

FOUR MILE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

31P

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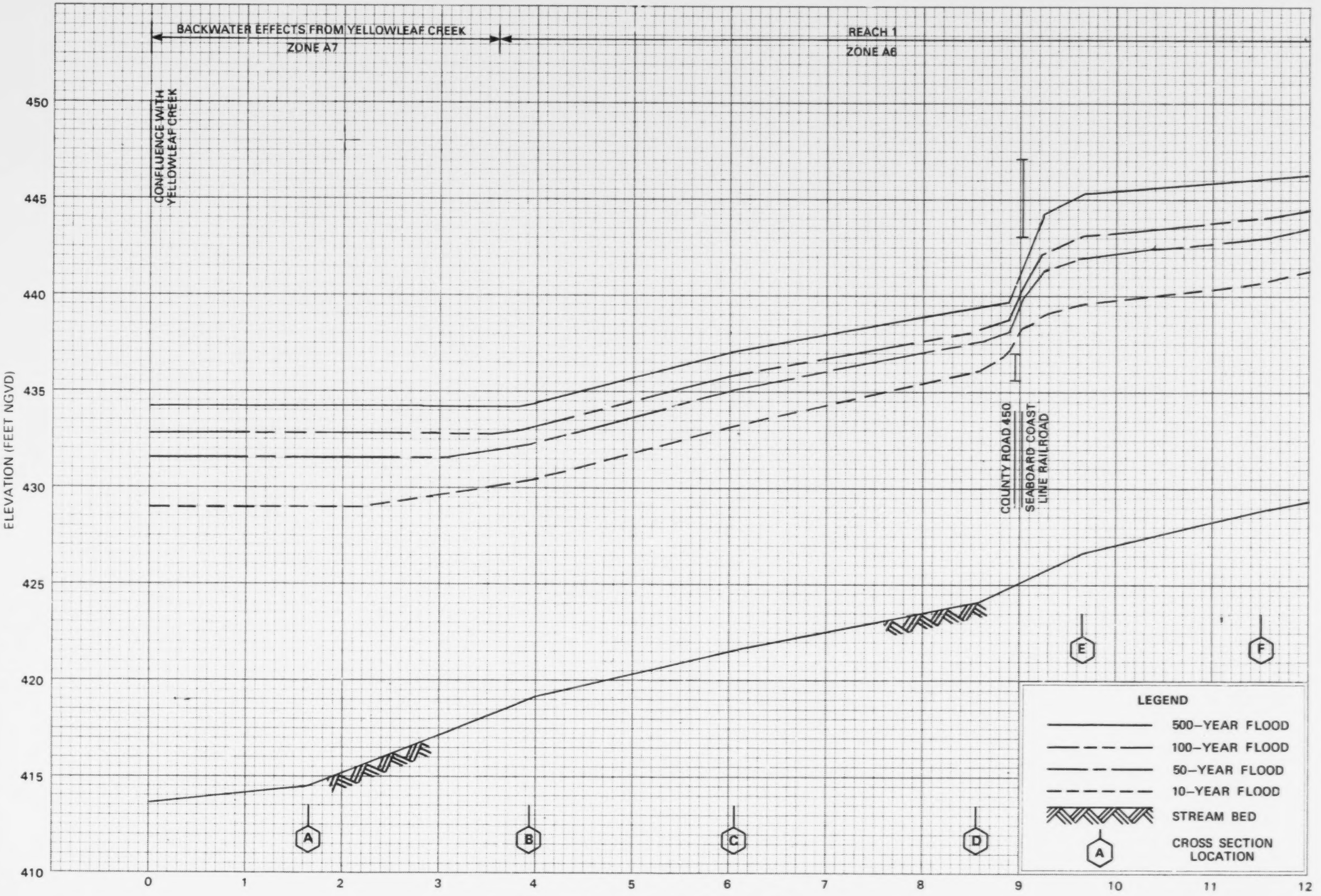

FLOOD PROFILES

MUDDY PRONG

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

32P

BEST DOCUMENT AVAILABLE

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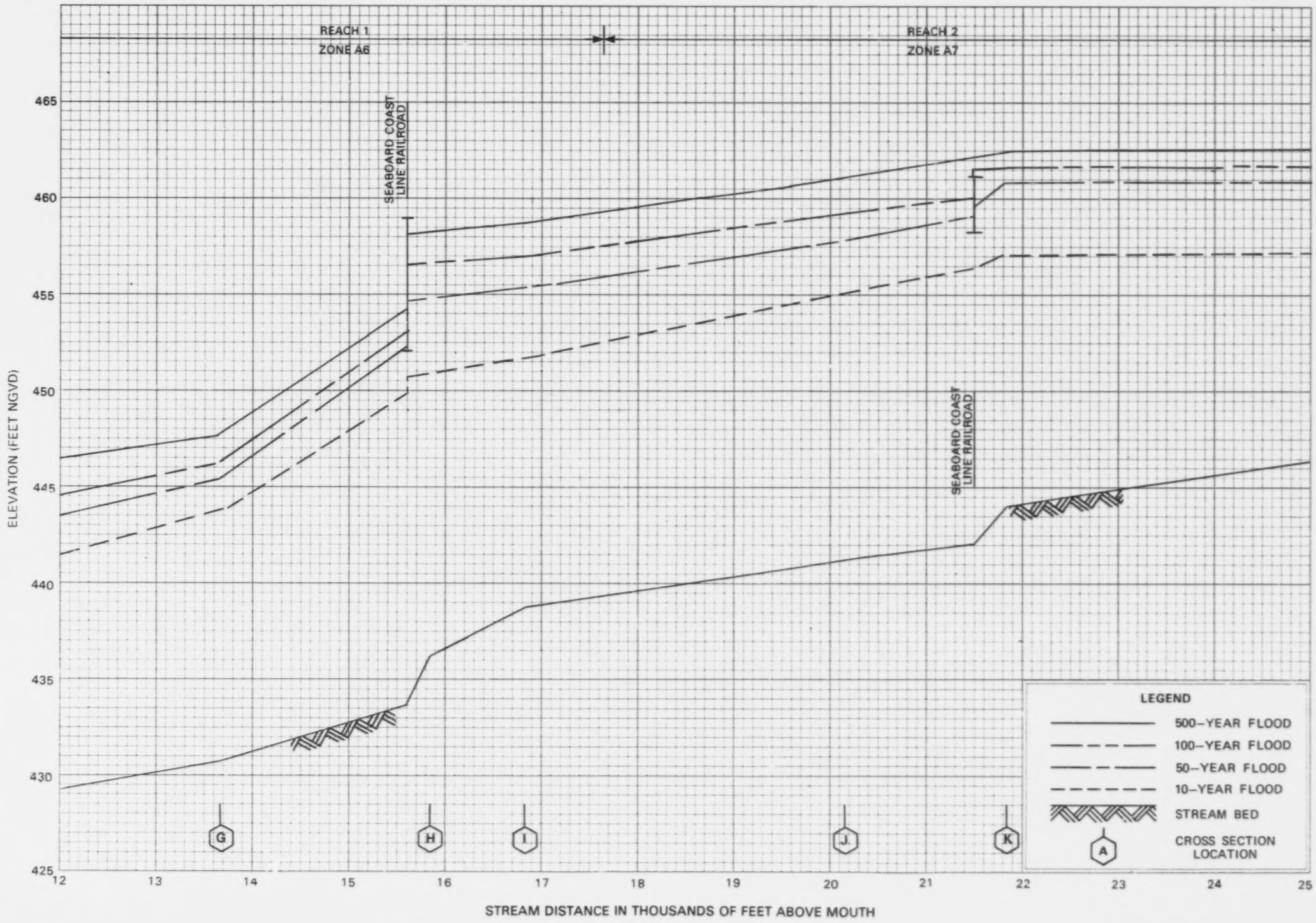

FLOOD PROFILES

MUDDY PRONG

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

33P

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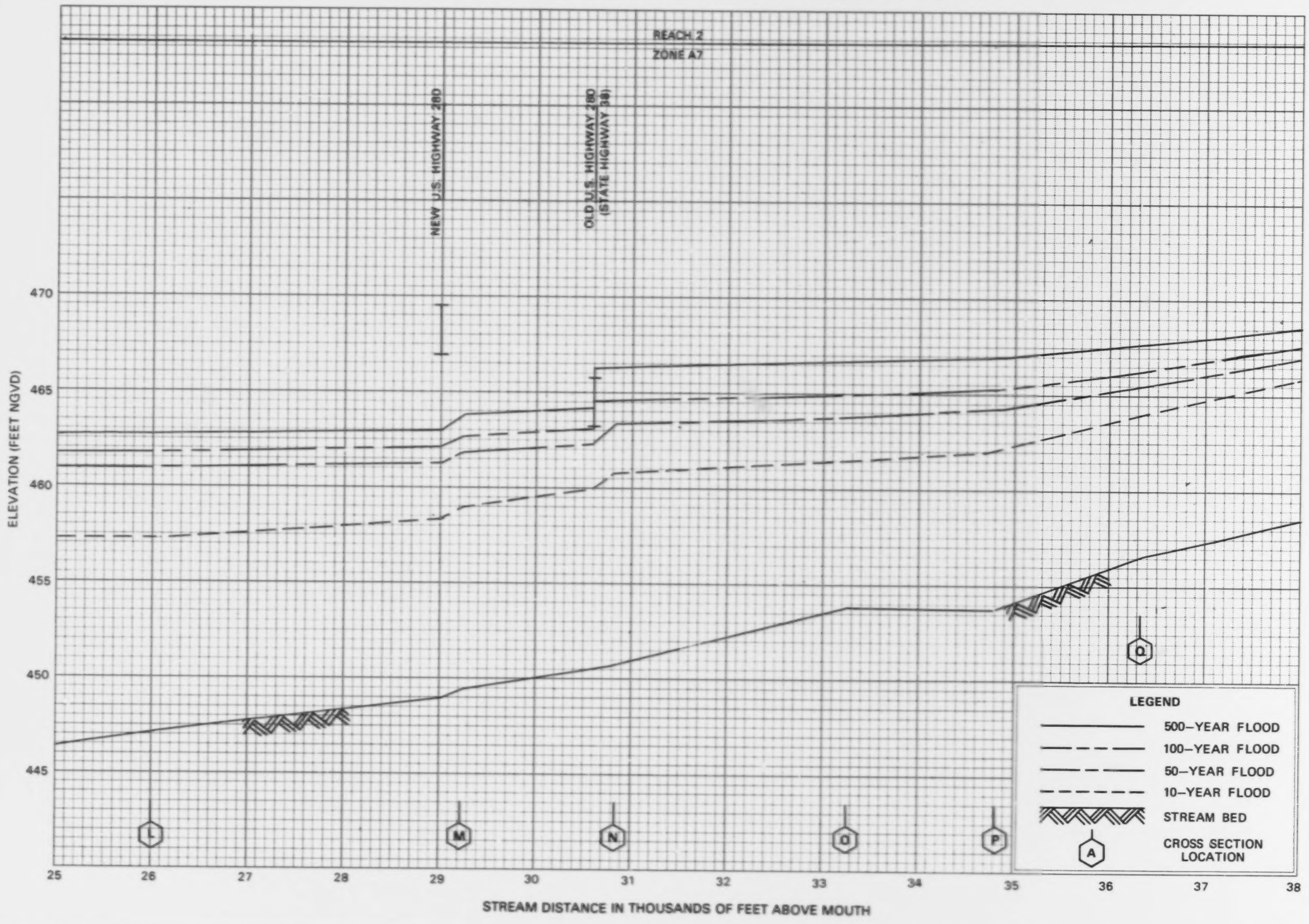

FLOOD PROFILES

MUDDY PRONG

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

34P

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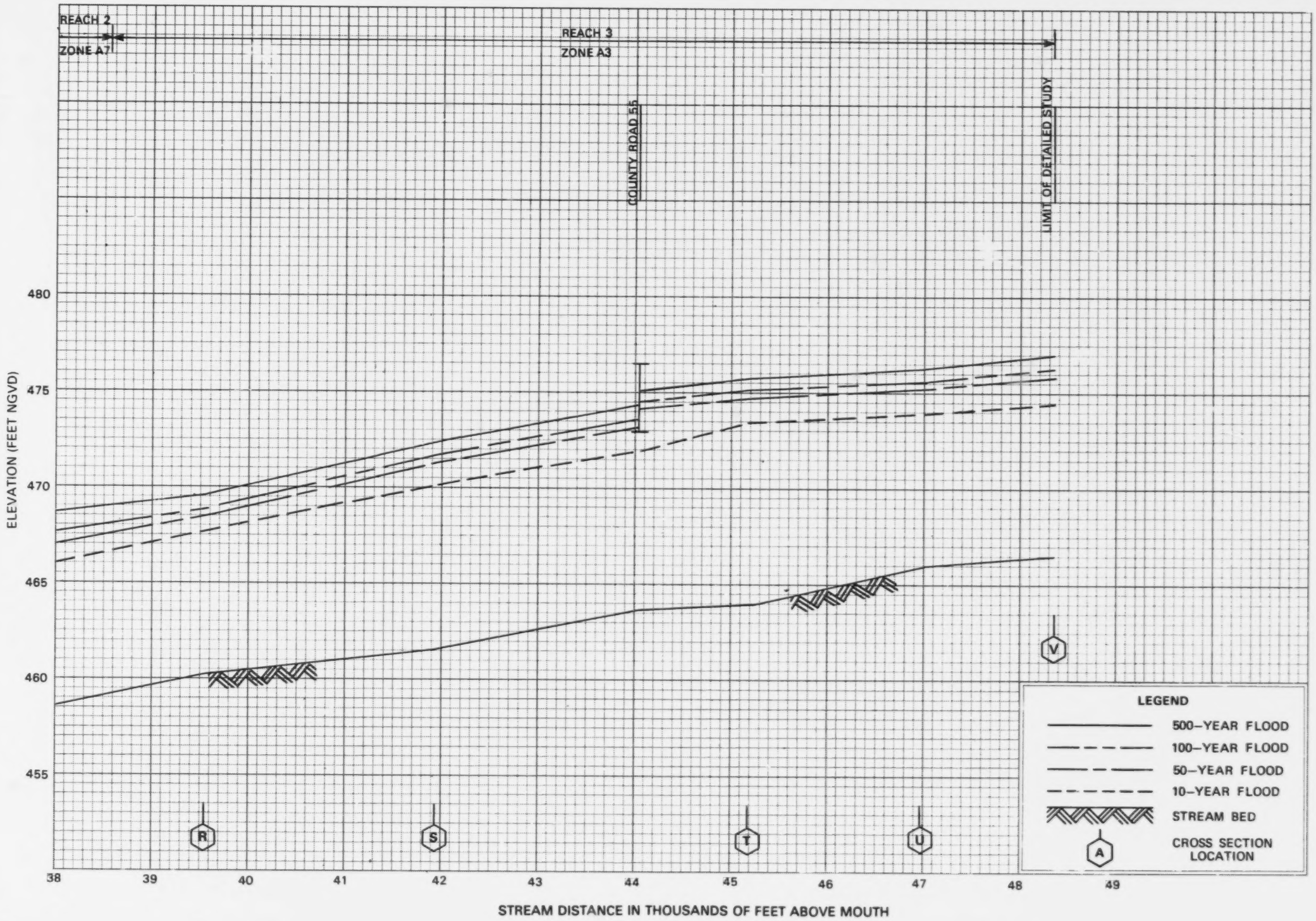

FLOOD PROFILES

MUDDY PRONG

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

35P

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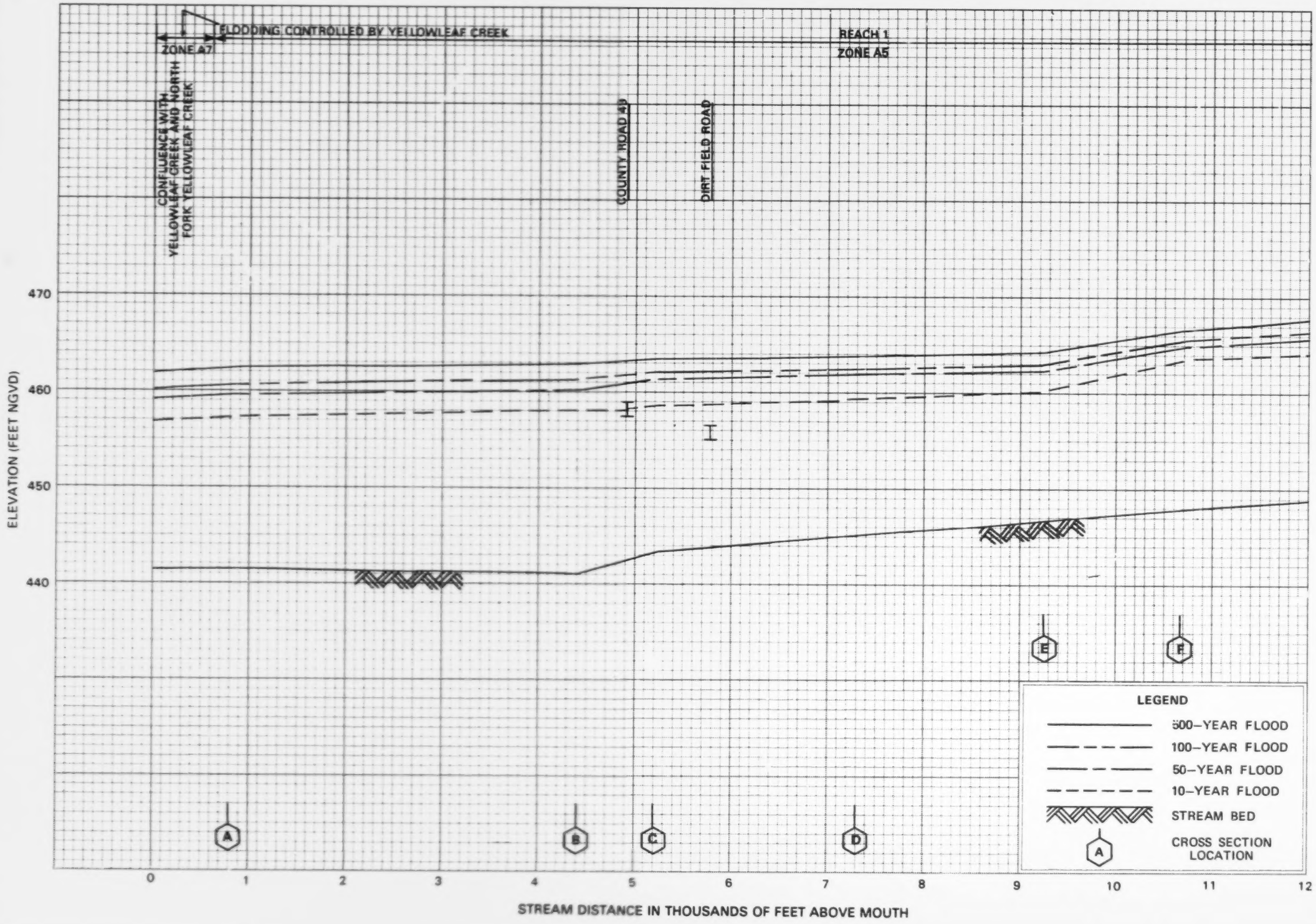

FLOOD PROFILES

SOUTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

36P

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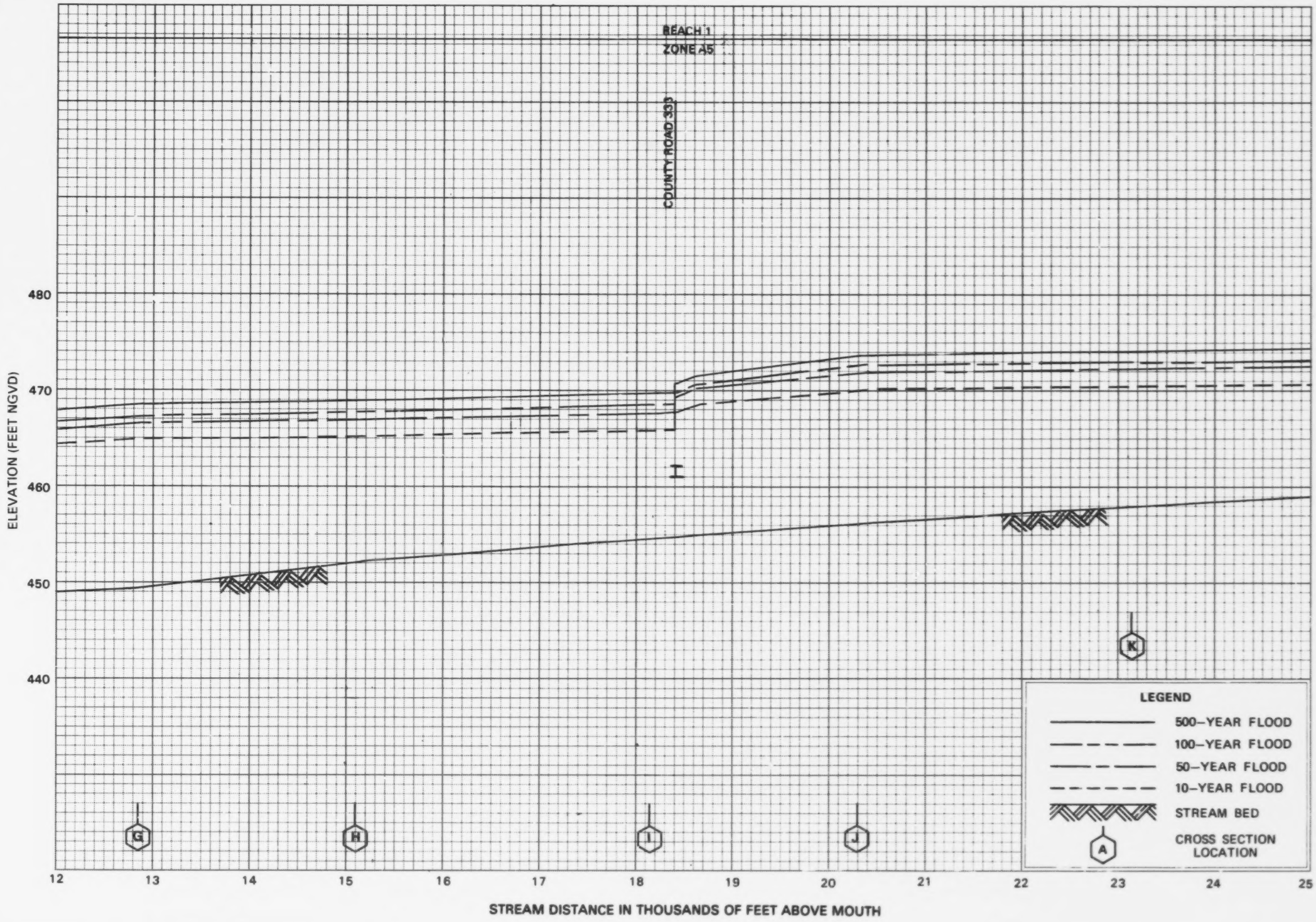

FLOOD PROFILES

SOUTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

37P

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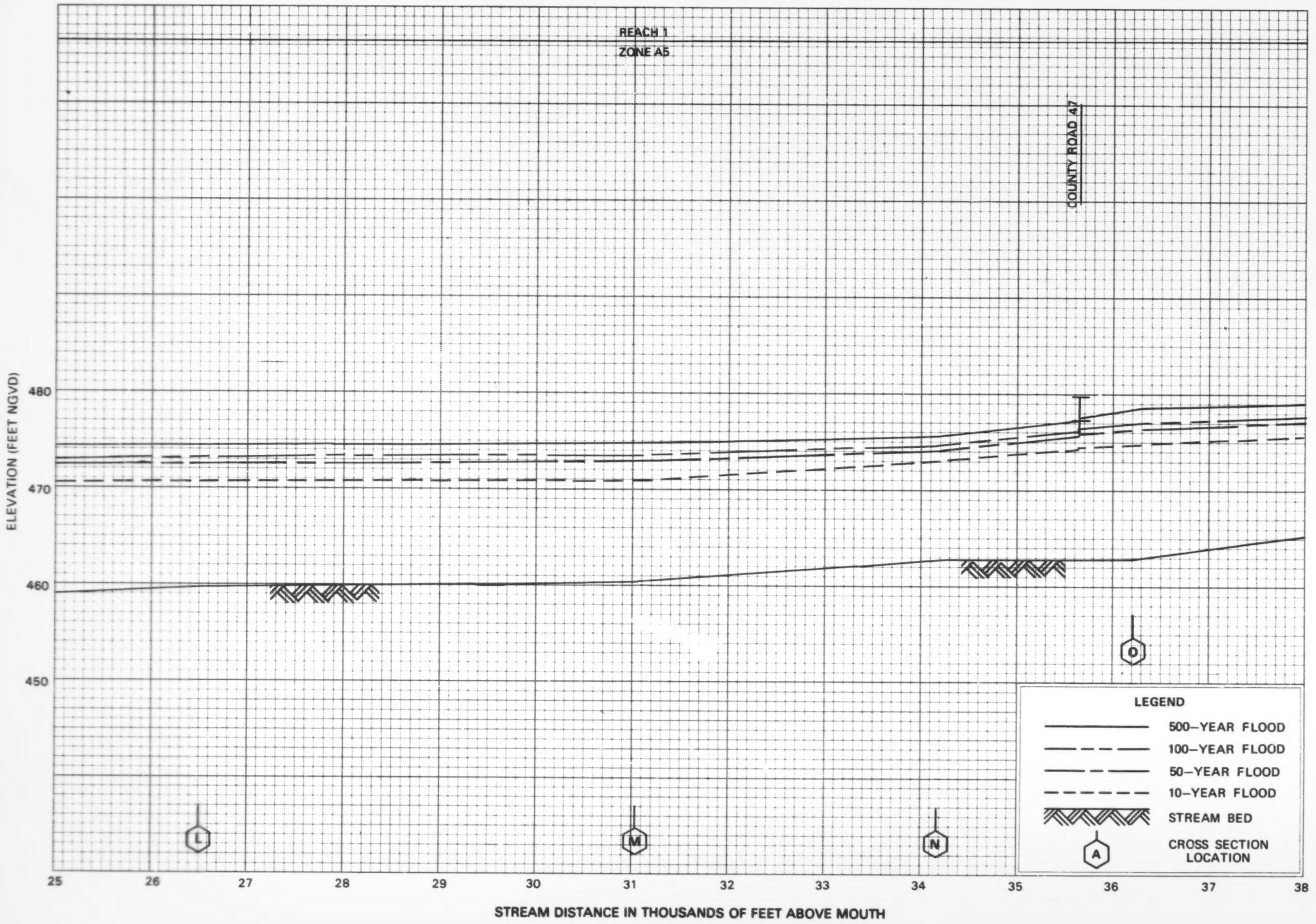

FLOOD PROFILES

SOUTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

38P

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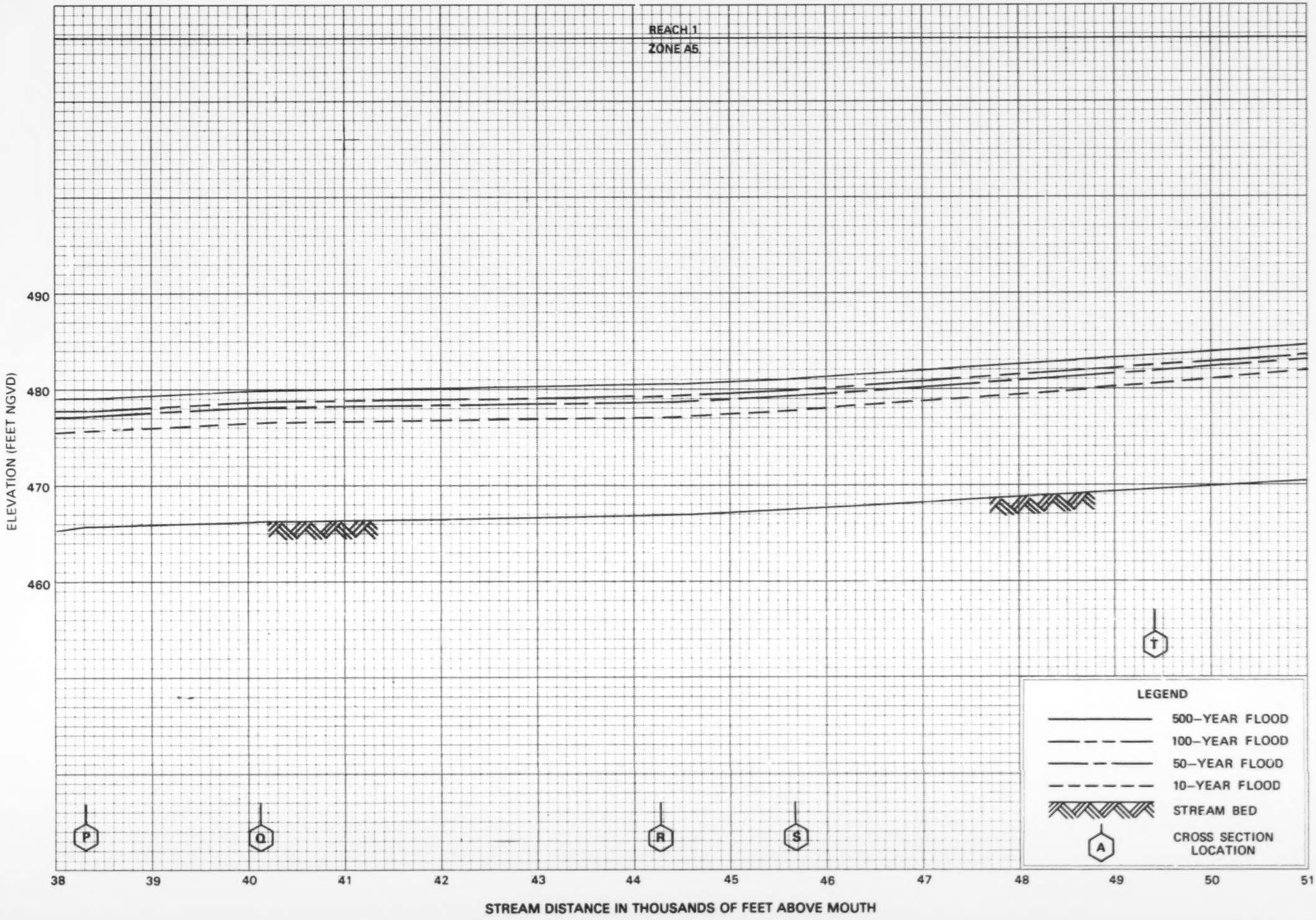

FLOOD PROFILES

SOUTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

39P

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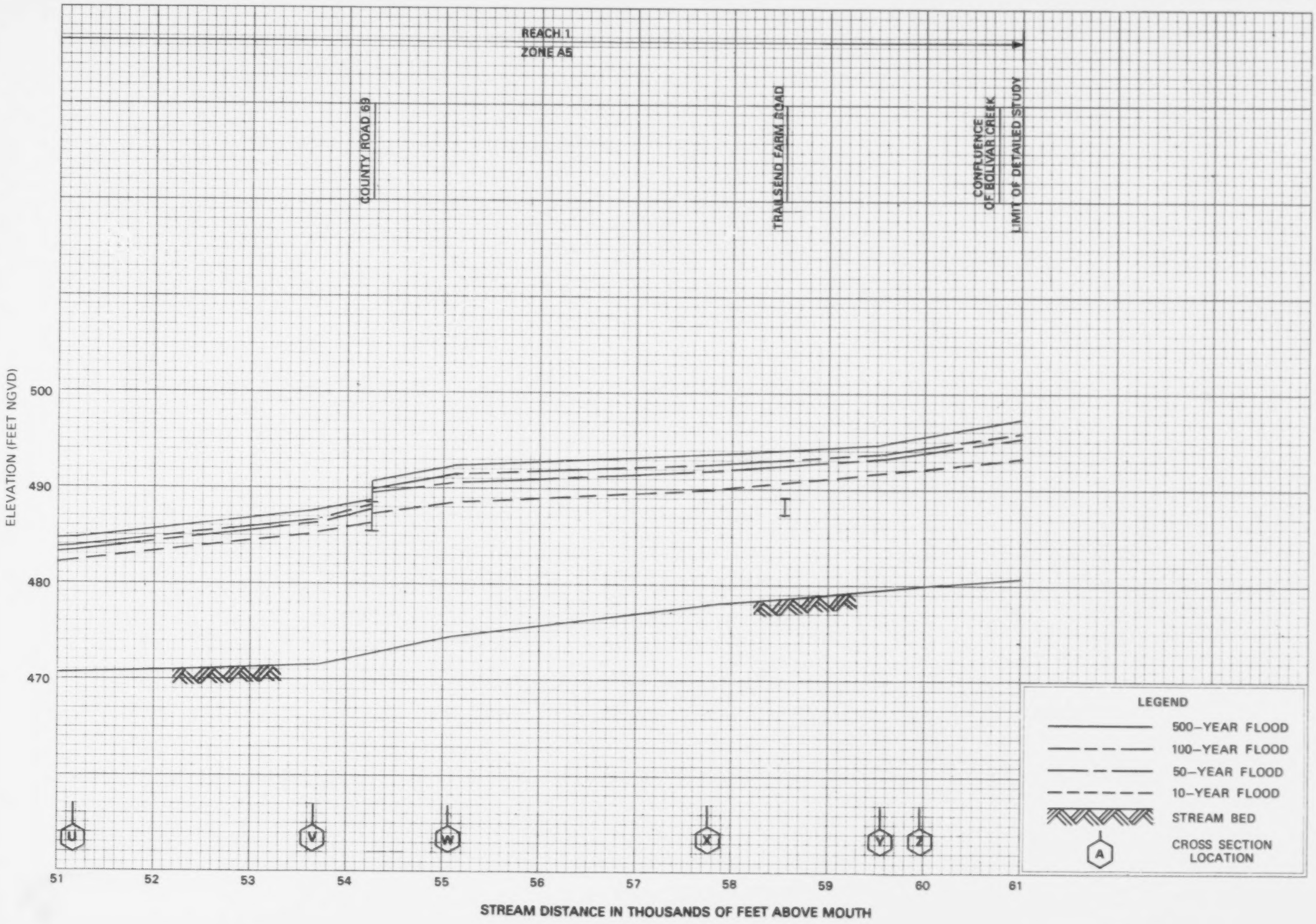

FLOOD PROFILES

SOUTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

40P

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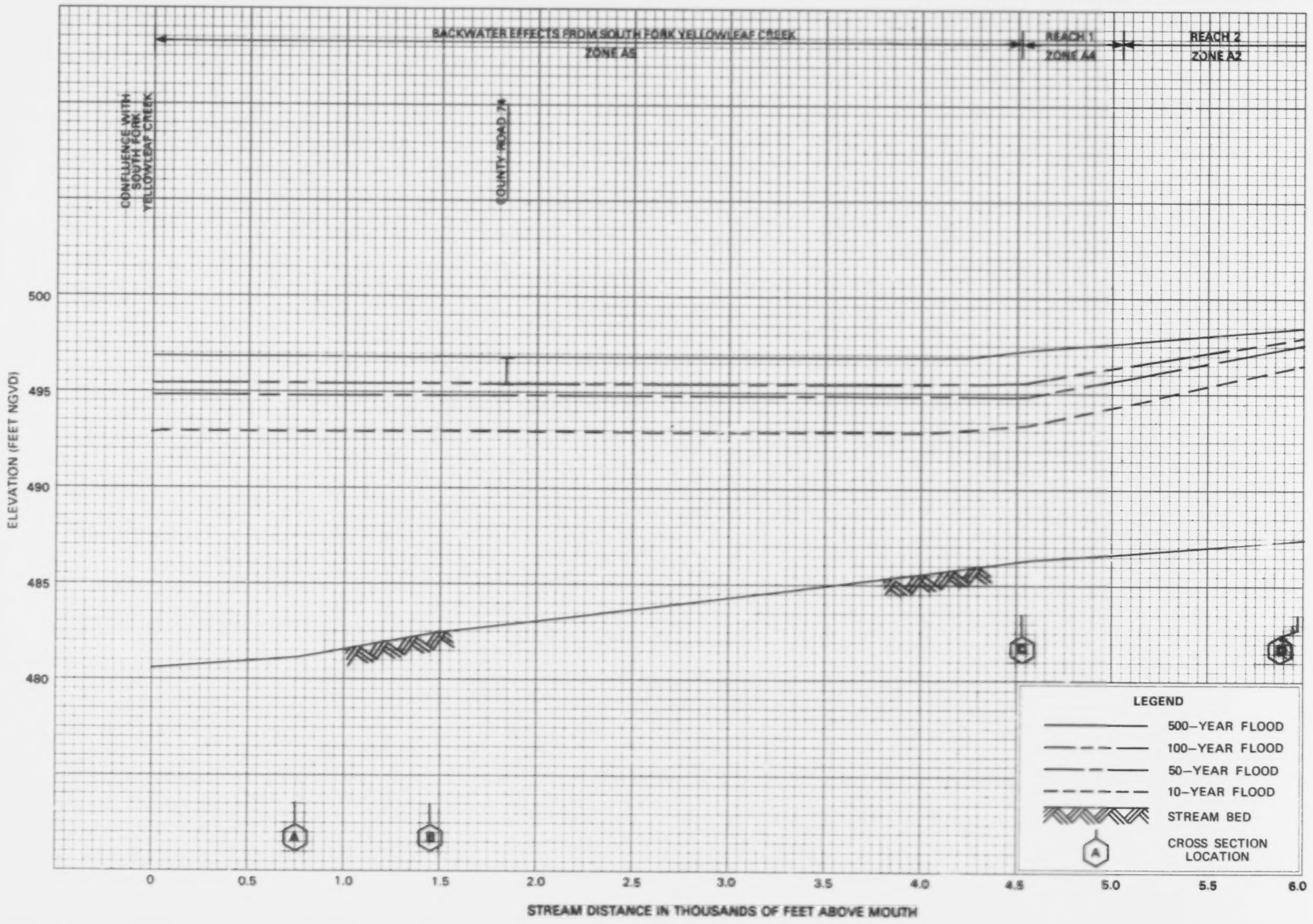

FLOOD PROFILES

BOLIVAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

41P

BEST DOCUMENT AVAILABLE

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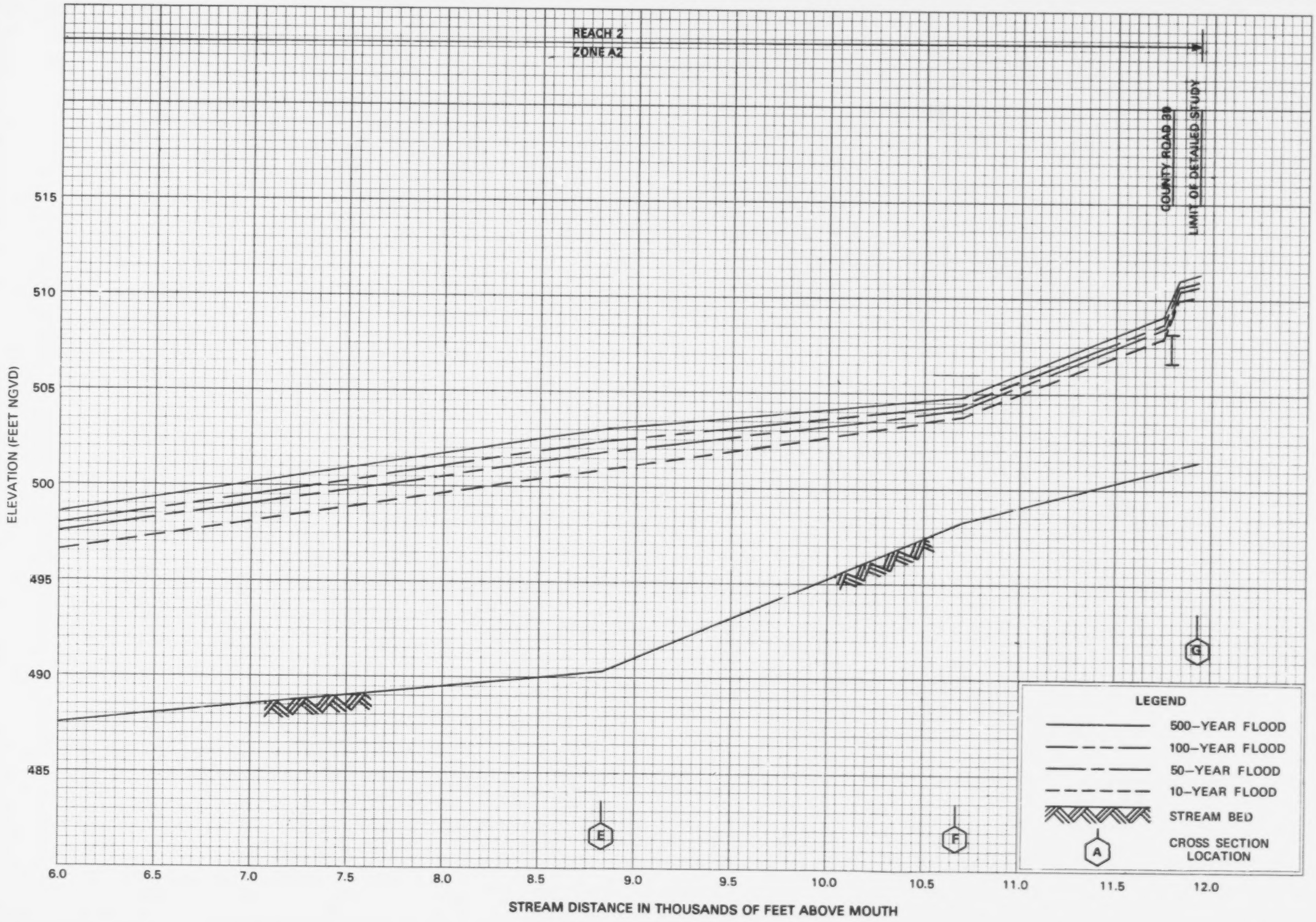

FLOOD PROFILES

BOLIVAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

42P

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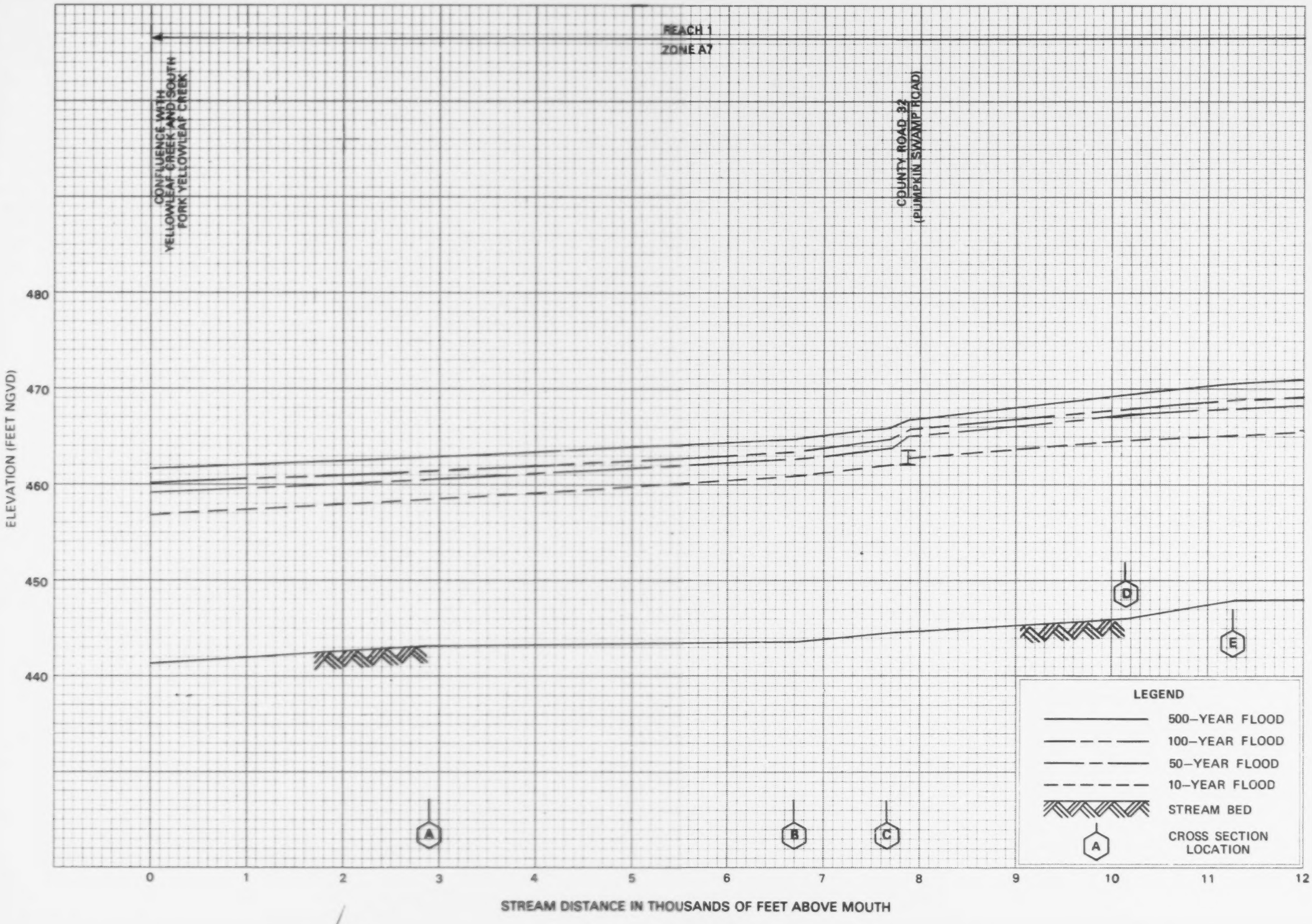

FLOOD PROFILES

NORTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

43P

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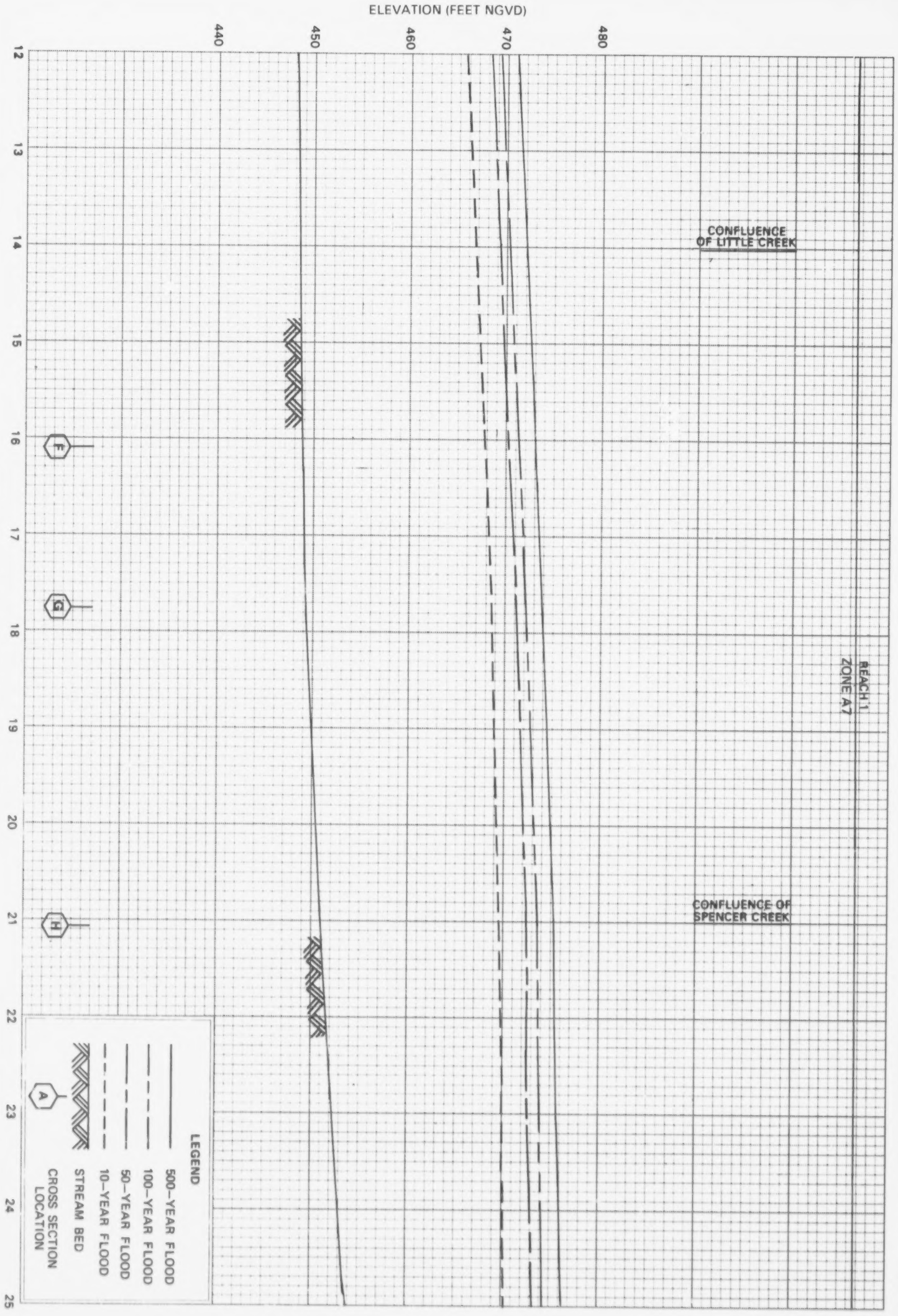

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93

44P

FEDERAL EMERGENCY MANAGEMENT AGENCY

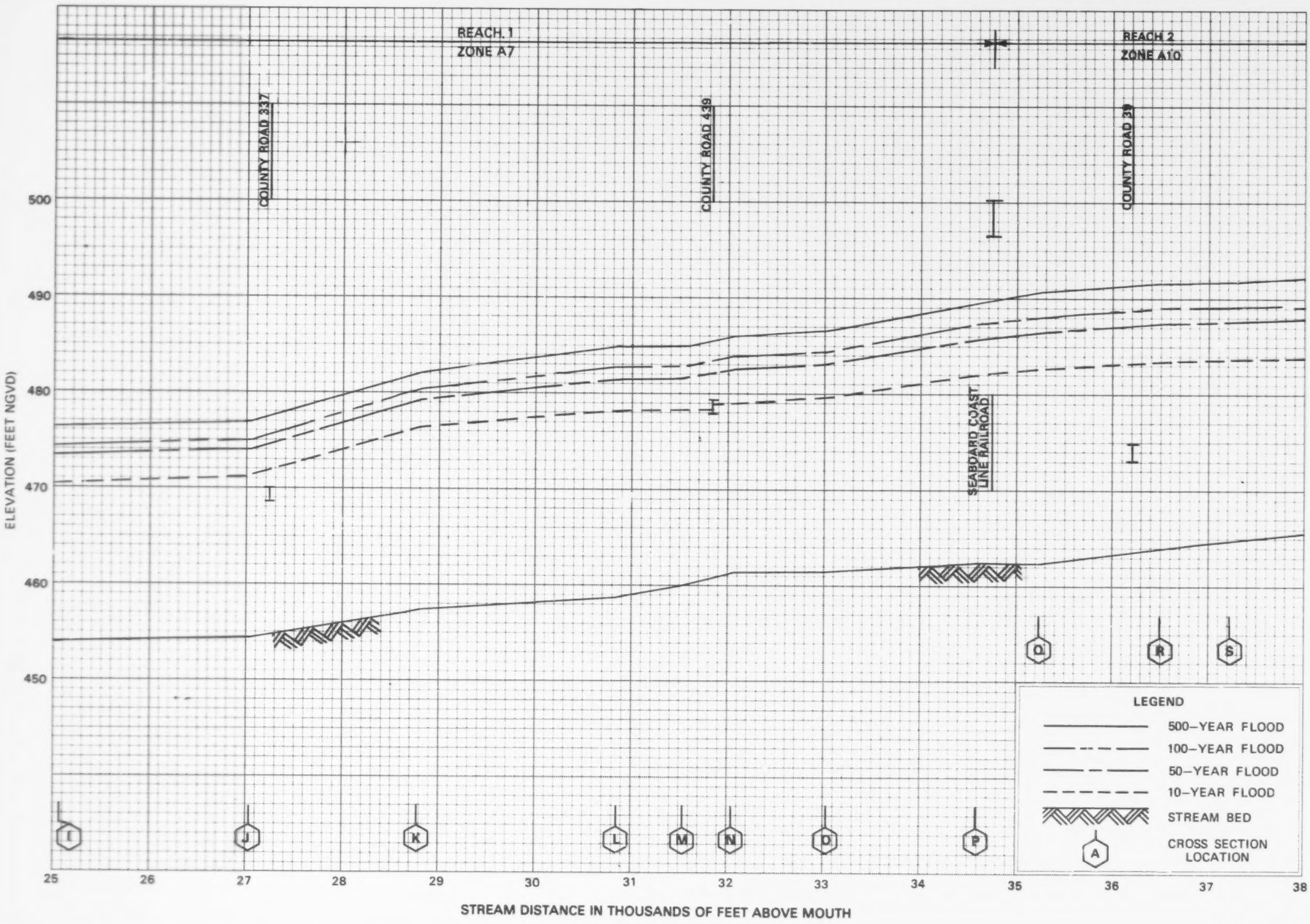
SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

NORTH FORK YELLOWLEAF CREEK

T DOCUMENT AVAILABLE



FLOOD PROFILES

NORTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

45P

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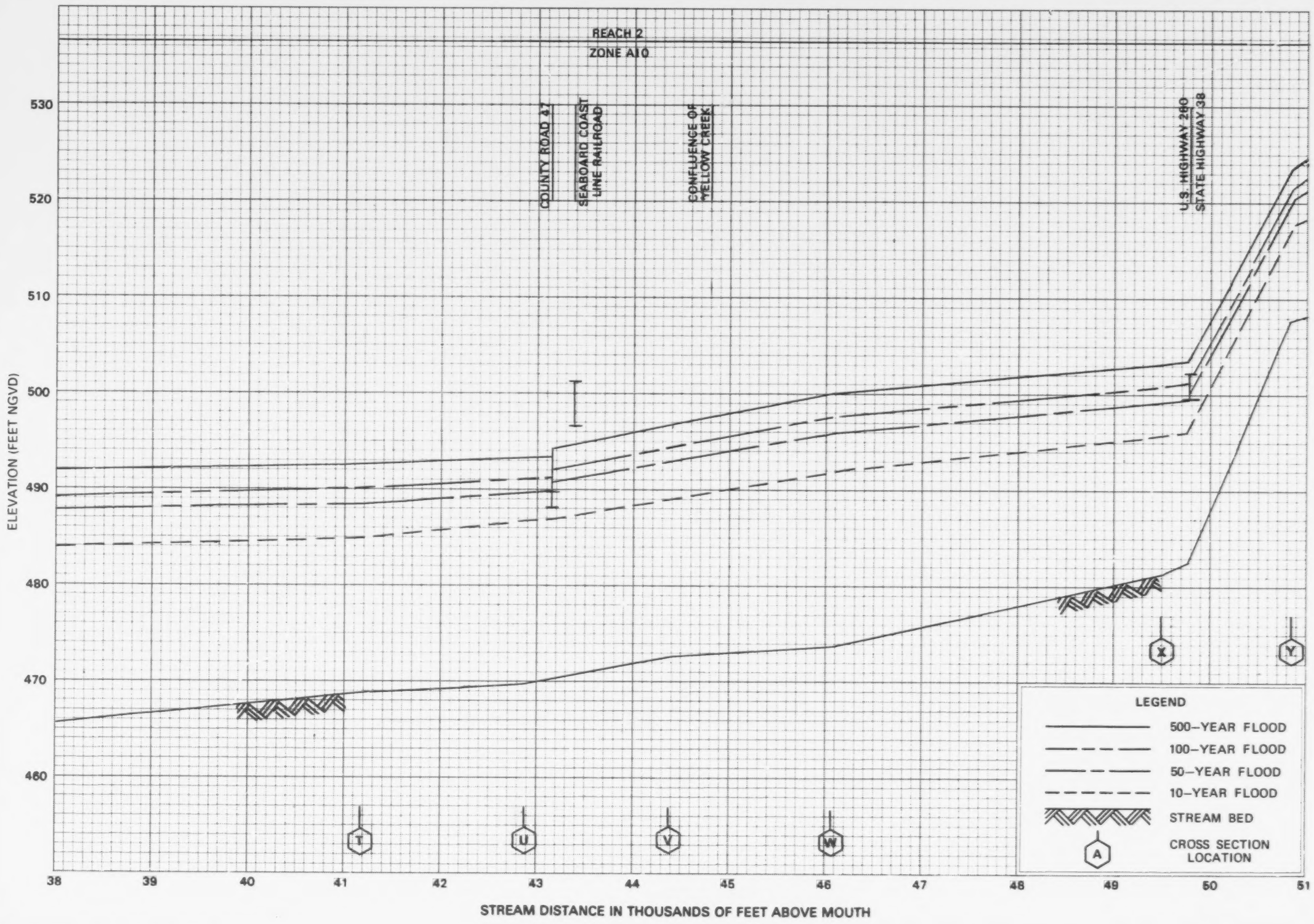

FLOOD PROFILES

NORTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

46P

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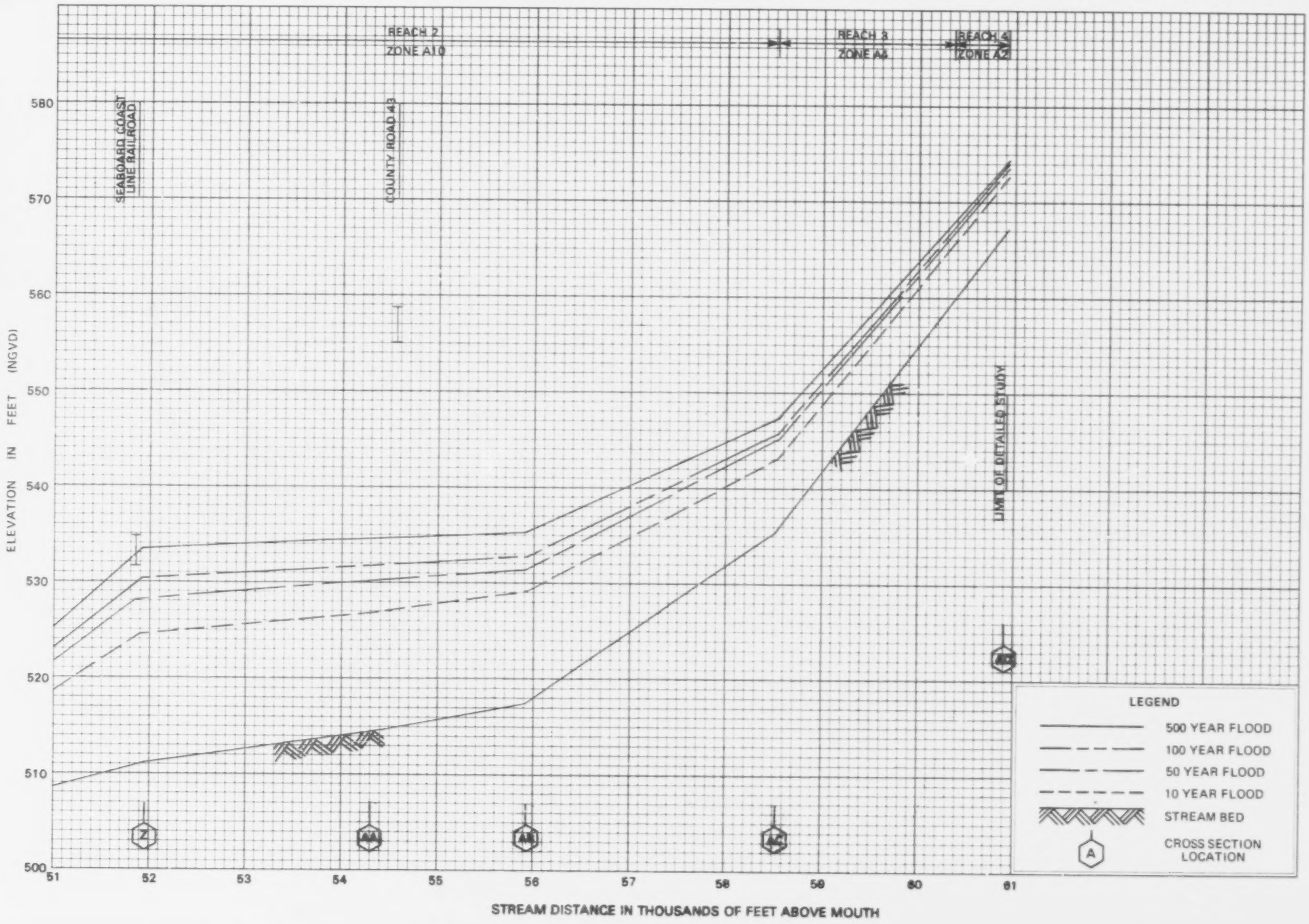

FLOOD PROFILES

NORTH FORK YELLOWLEAF CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

47P

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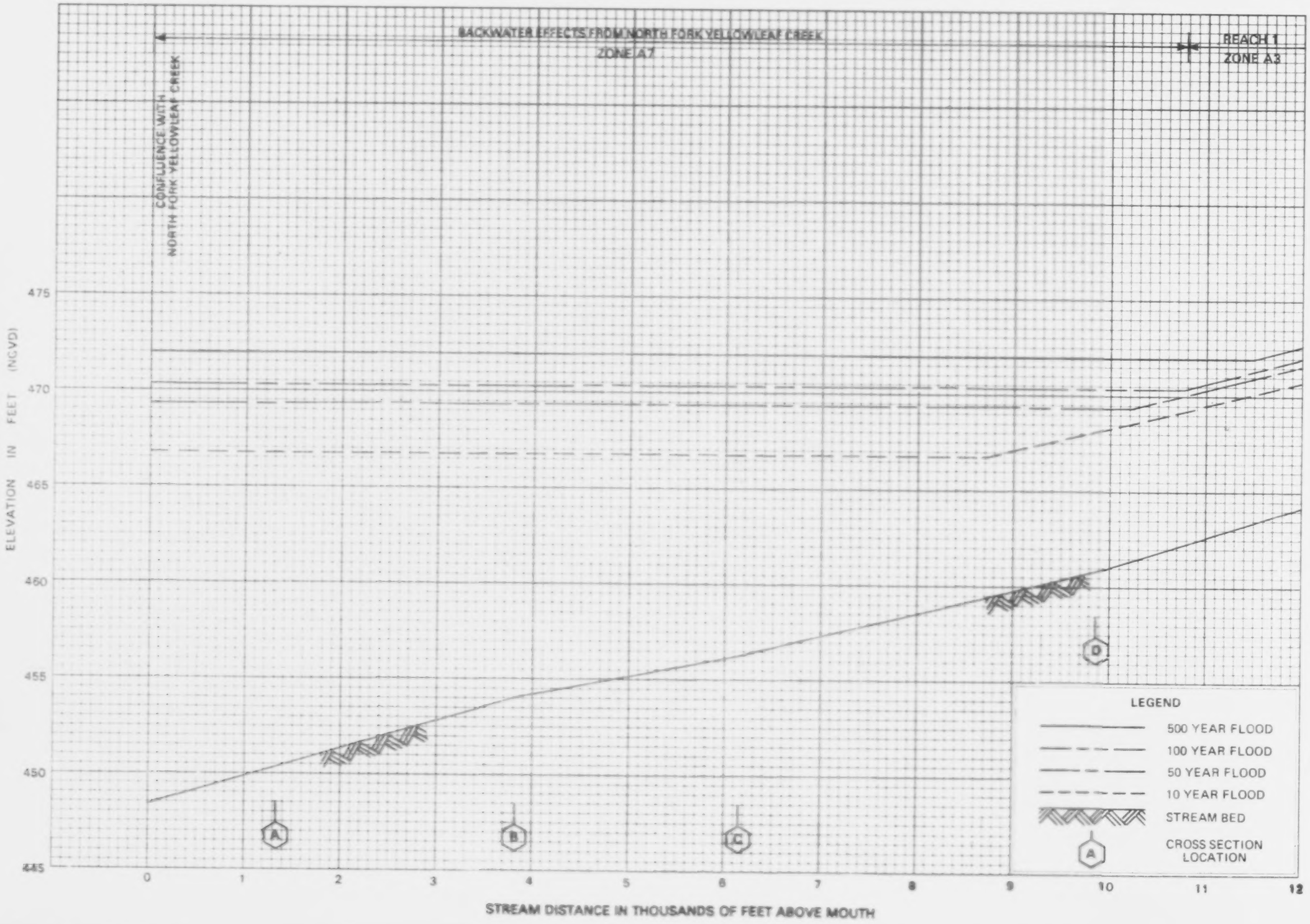

FLOOD PROFILES

LITTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

48P

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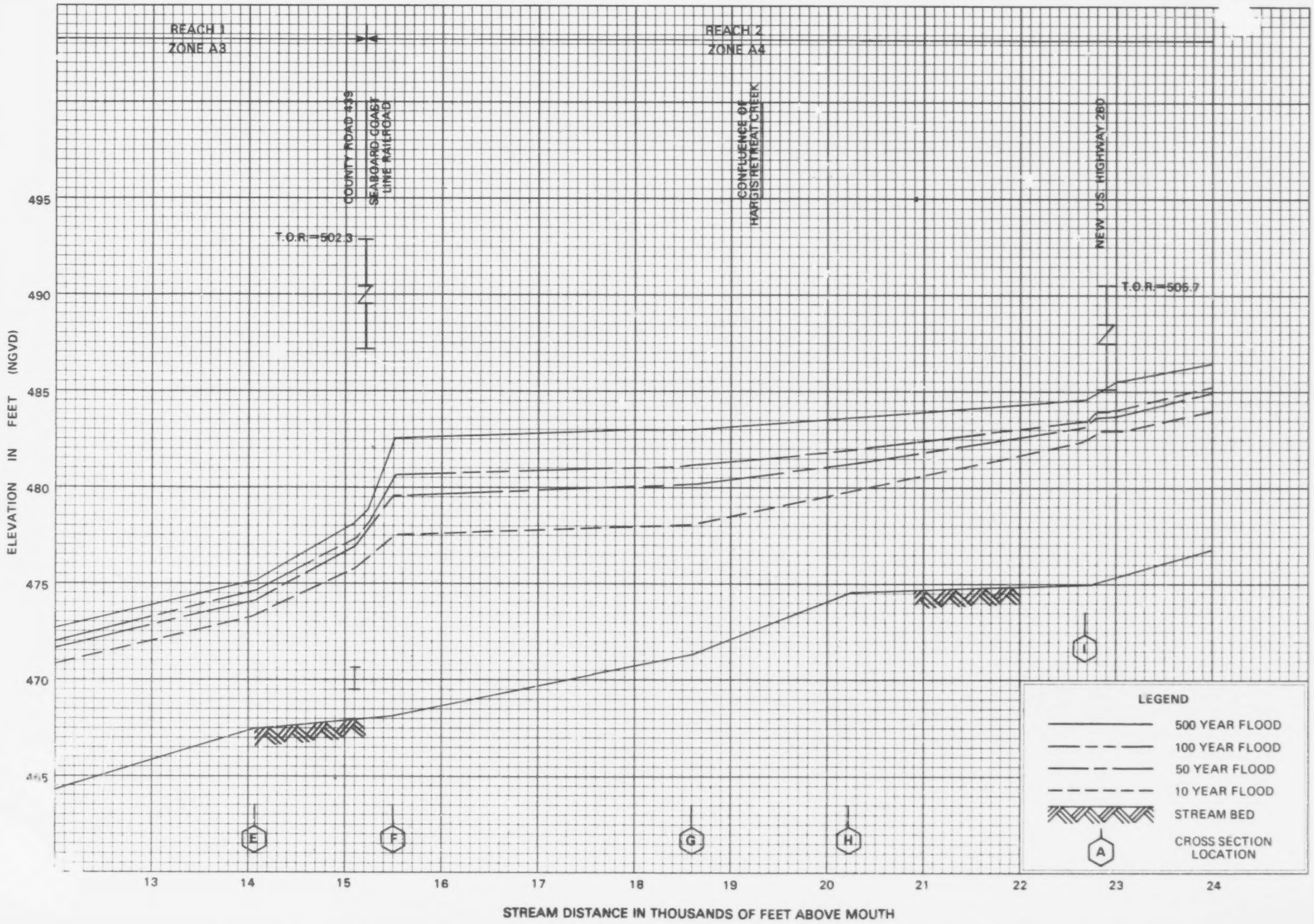

FLOOD PROFILES

LITTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

49P

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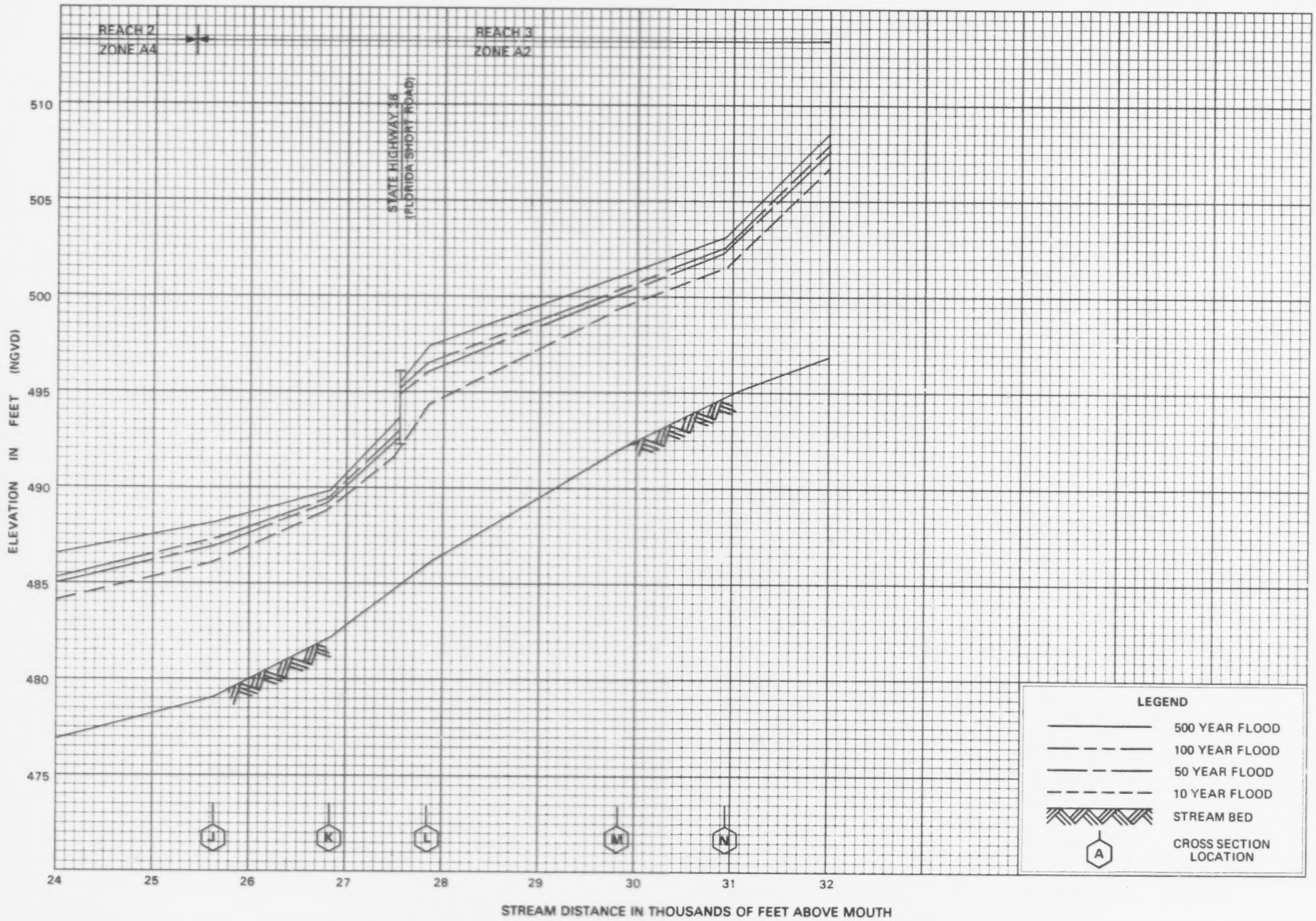
DOCUMENT AVAILABLE



FLOOD PROFILES

LITTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

50P

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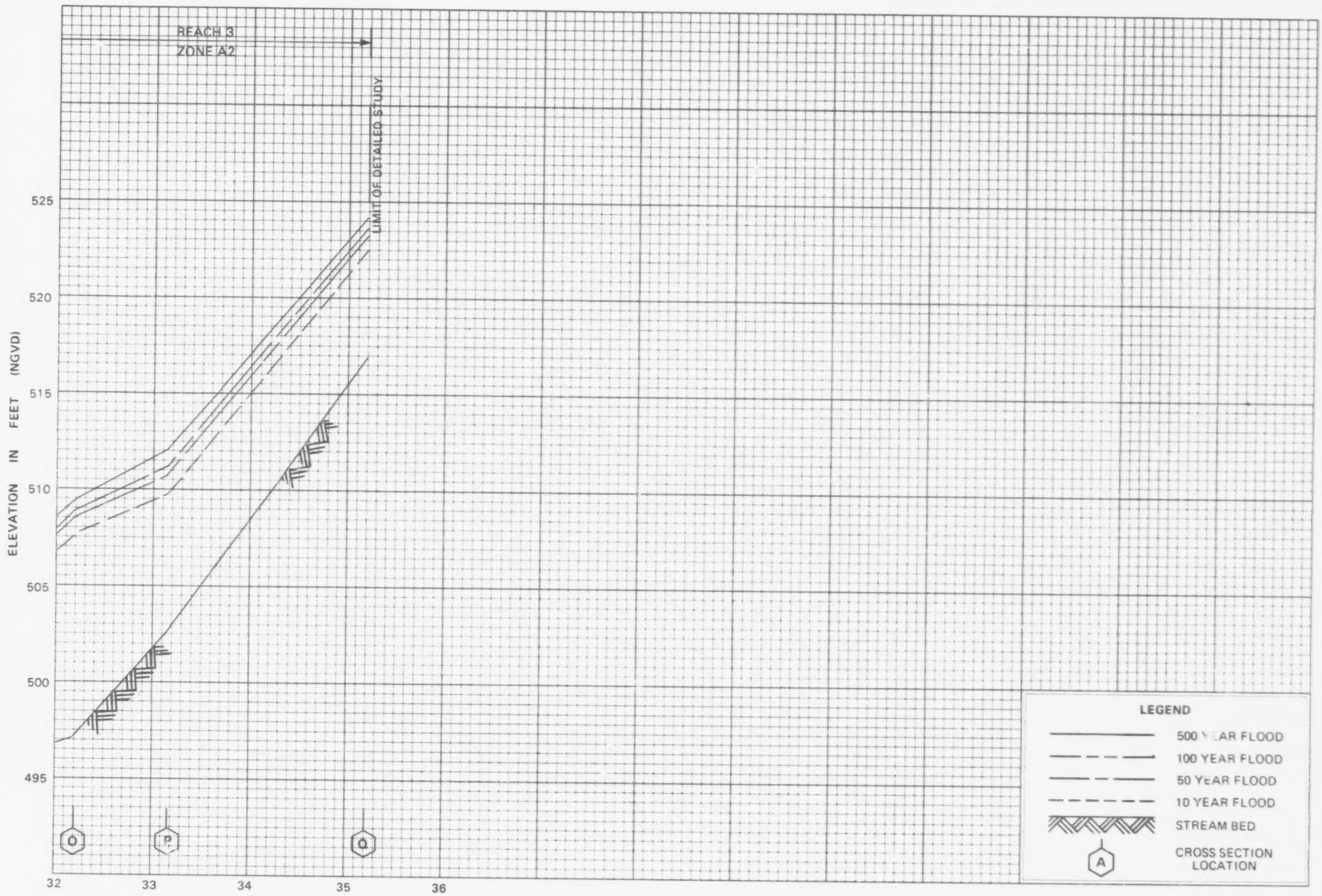

FLOOD PROFILES

LITTLE CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

51P

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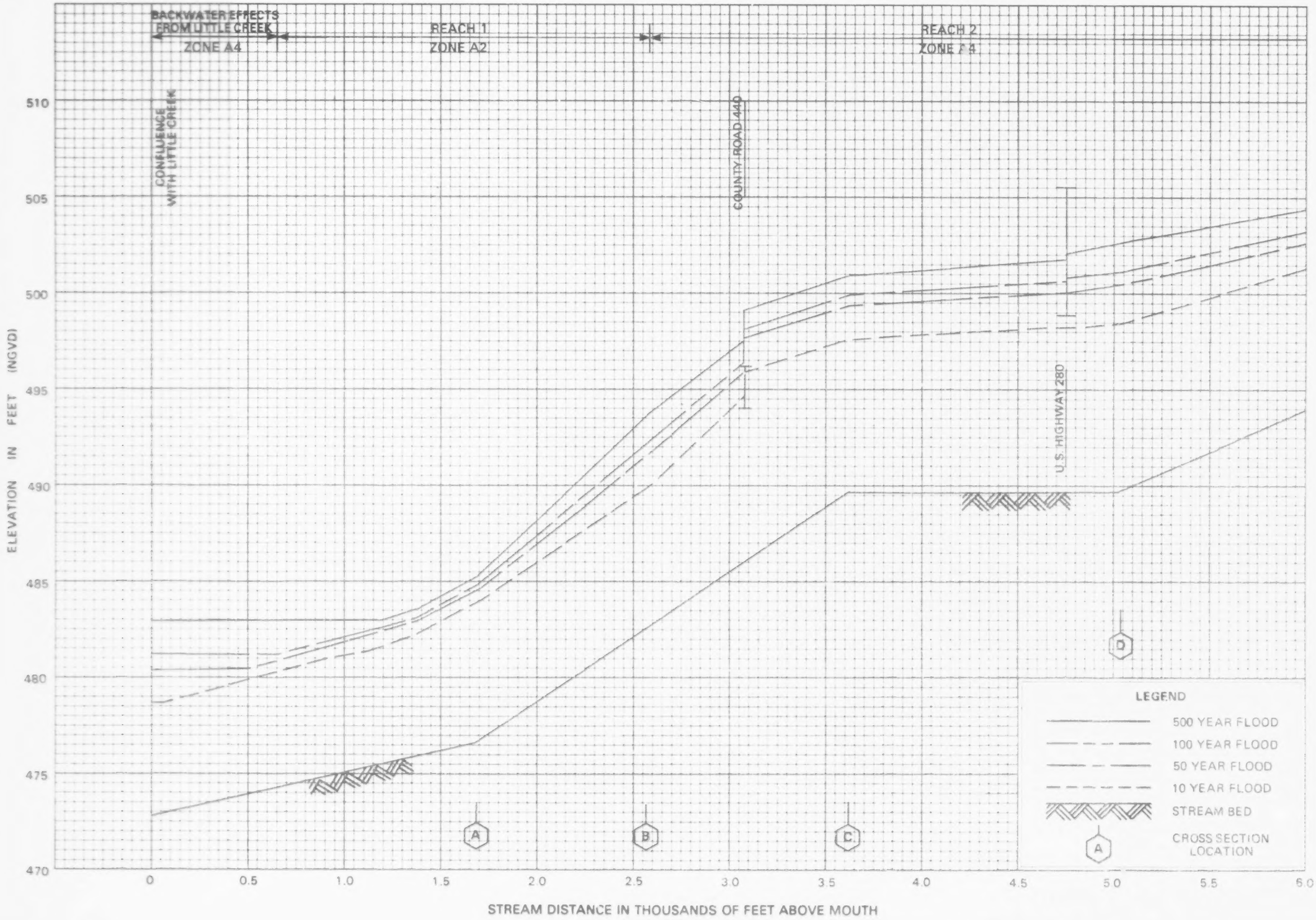

FLOOD PROFILES

HARGIS RETREAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

52P

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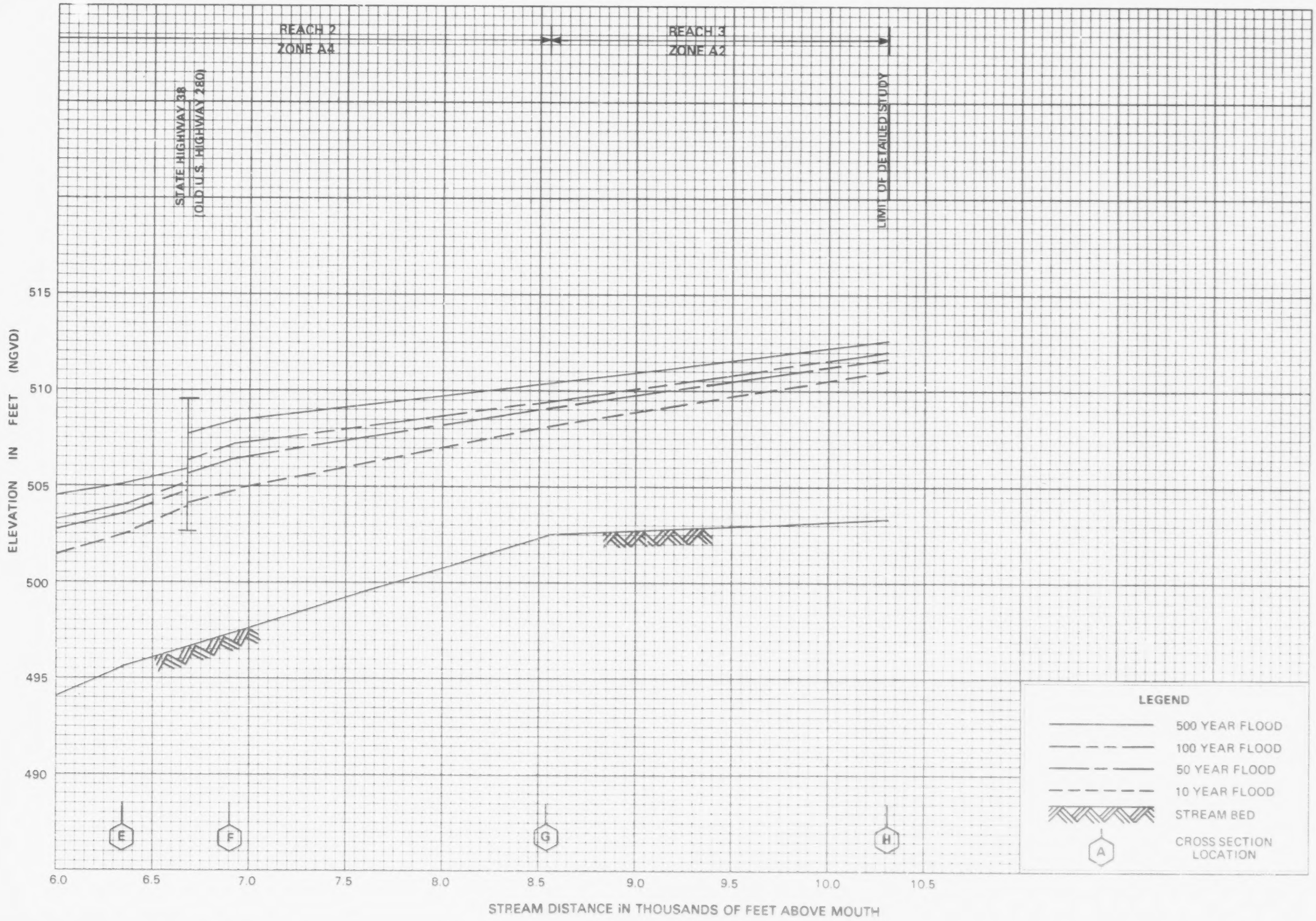

FLOOD PROFILES

HARGIS RETREAT CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

53P

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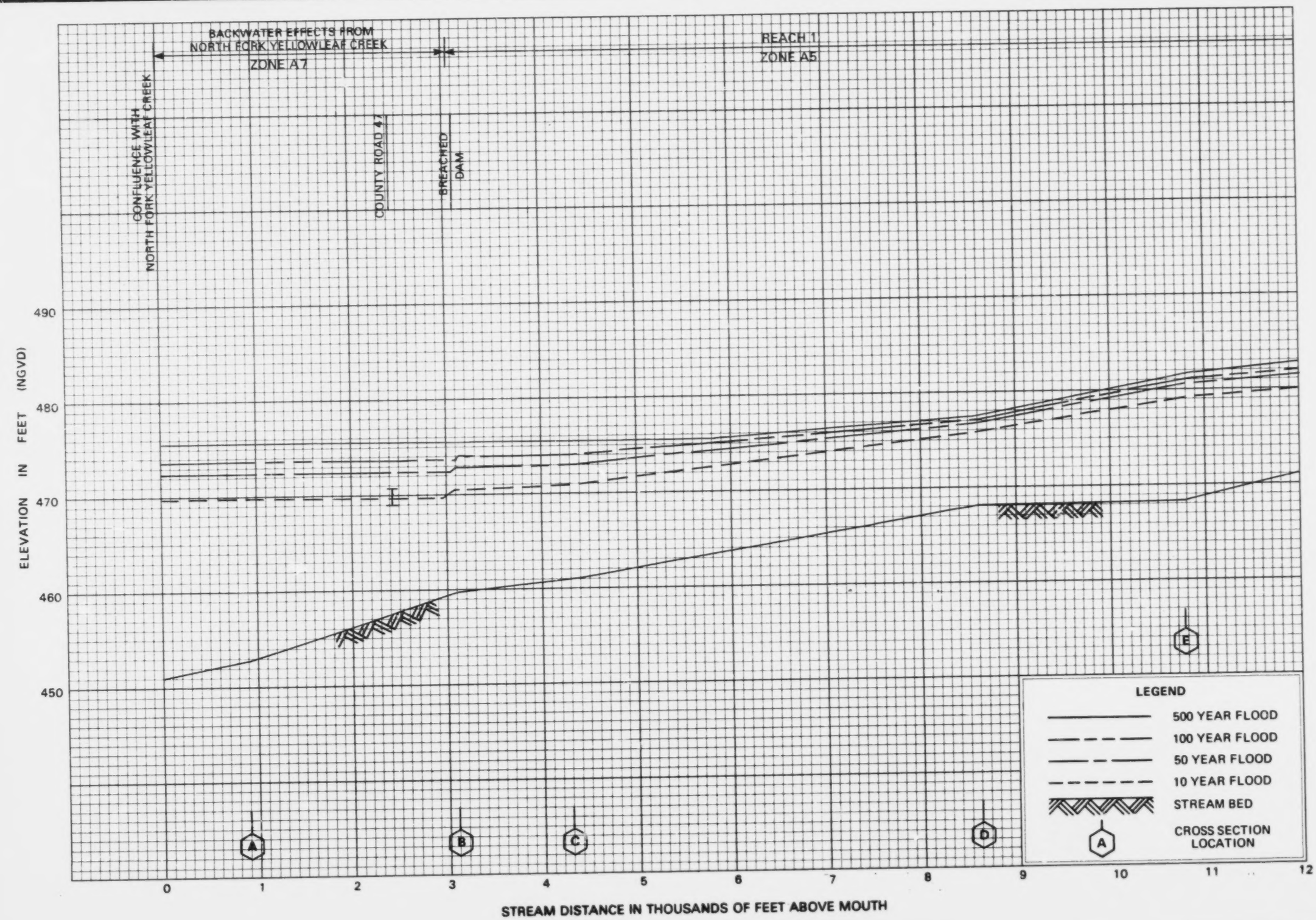
BEST DOCUMENT AVAILABLE



FLOOD PROFILES

SPENCER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

54P

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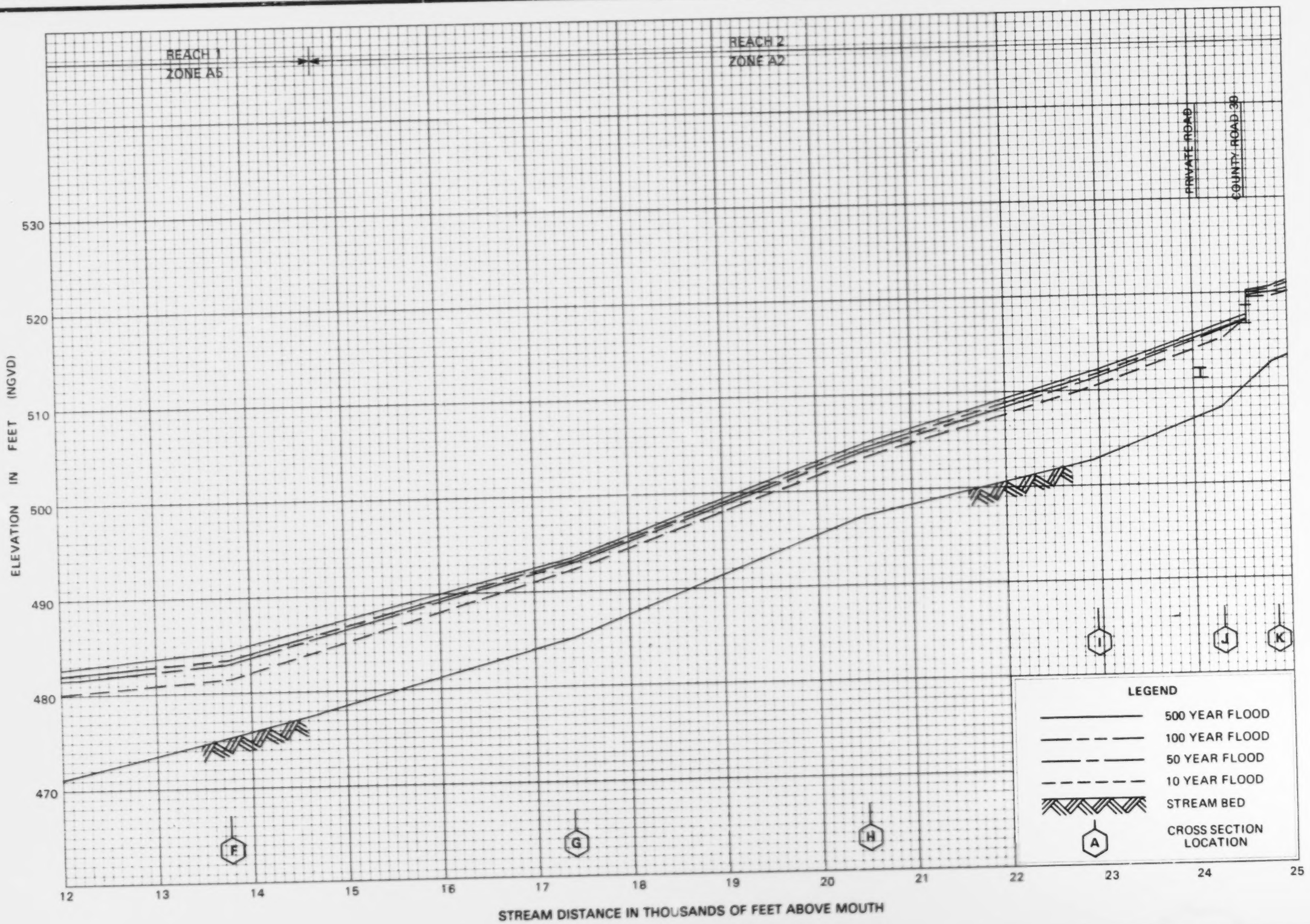

FLOOD PROFILES

SPENCER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

55P

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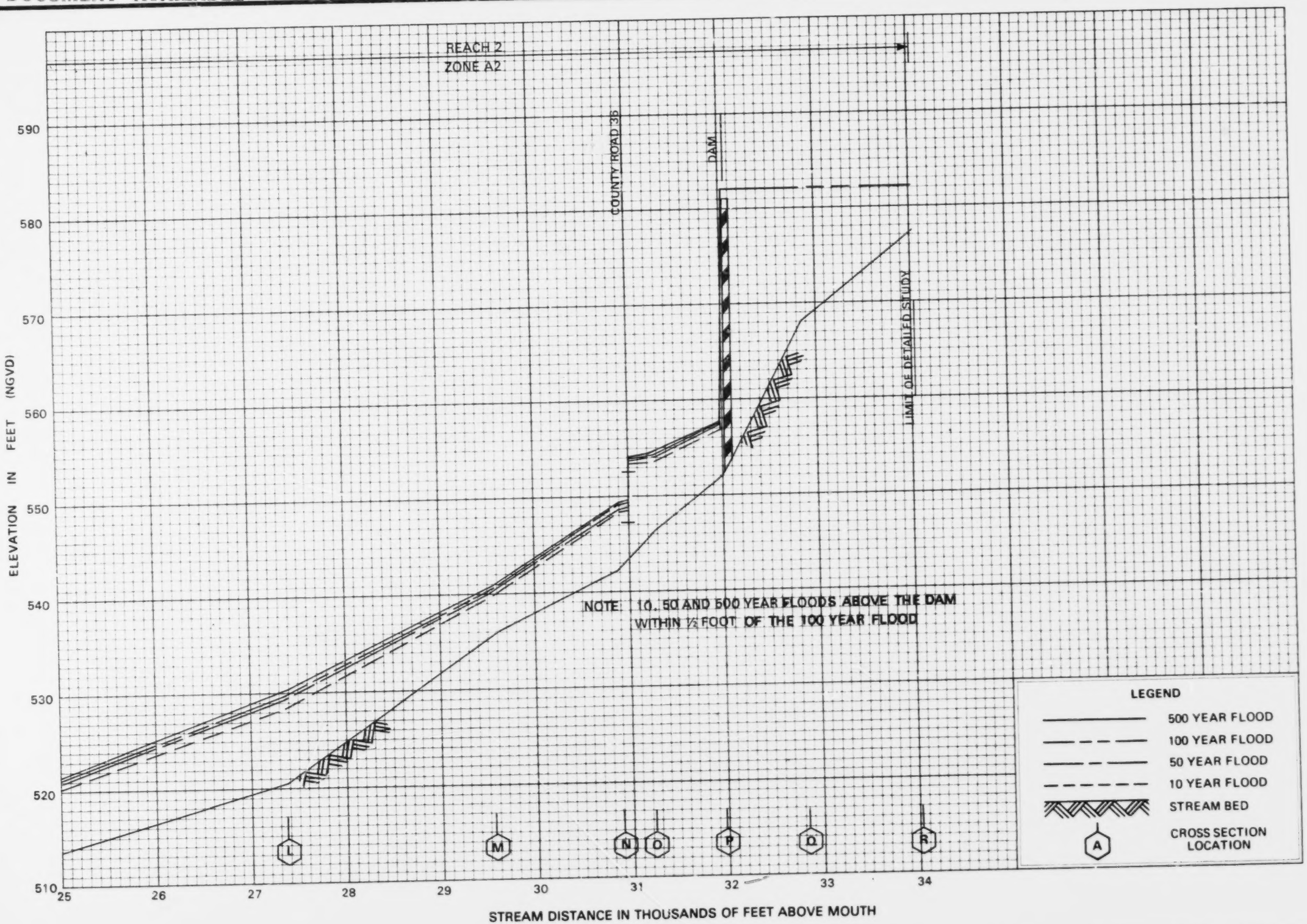

FLOOD PROFILES

SPENCER CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

56P

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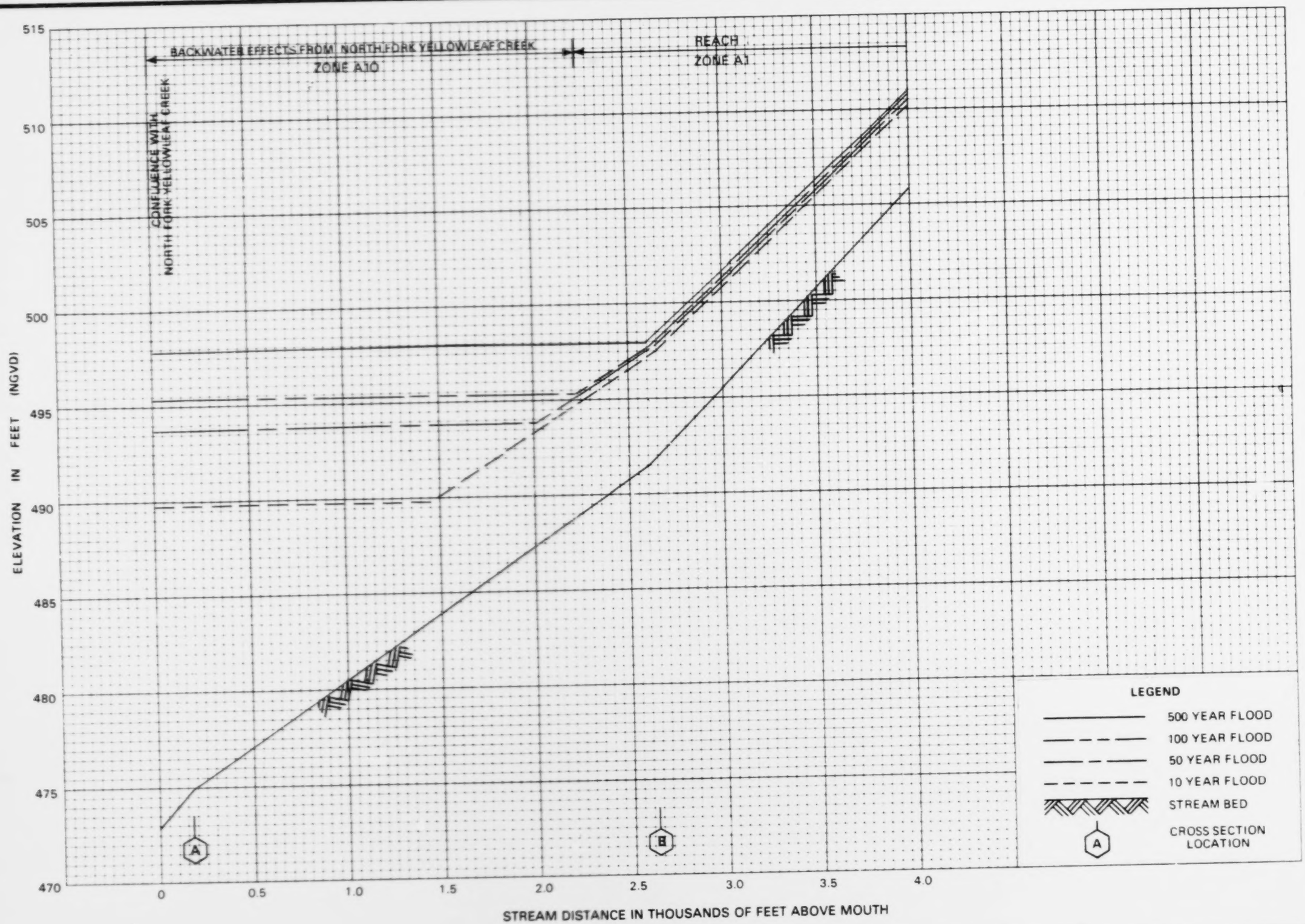

FLOOD PROFILES

YELLOW CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

57P

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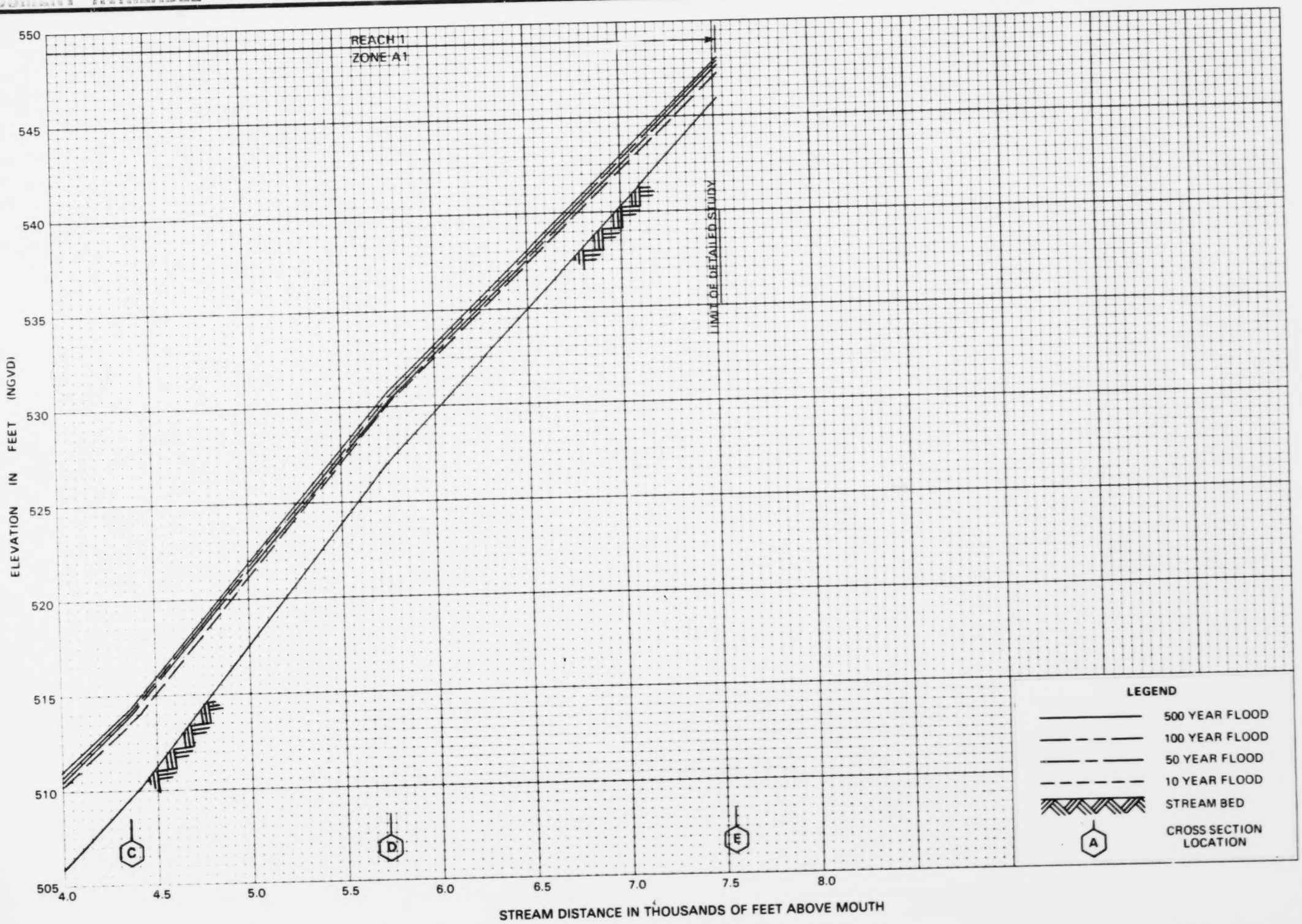

FLOOD PROFILES

YELLOW CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

58P

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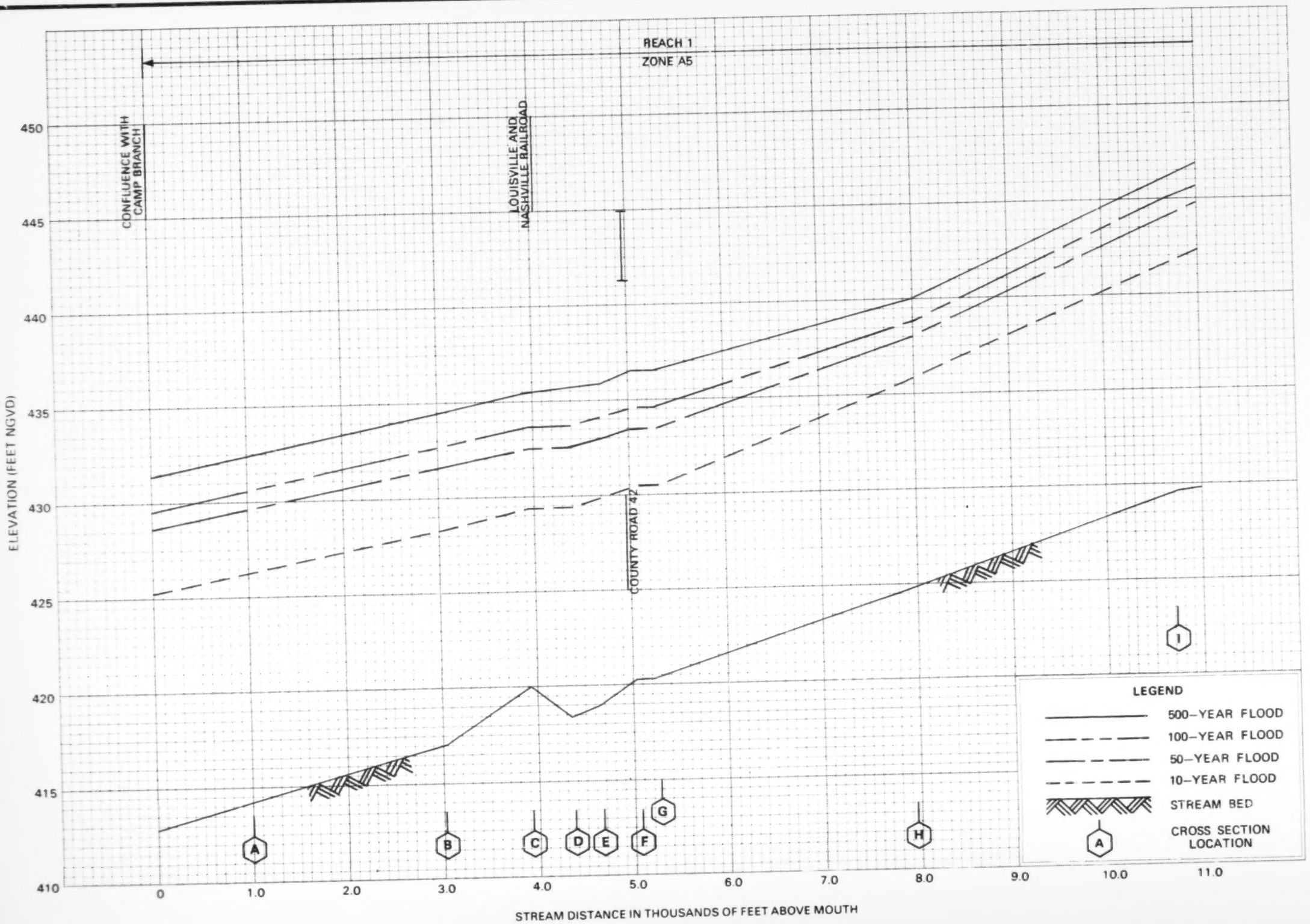

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

59P

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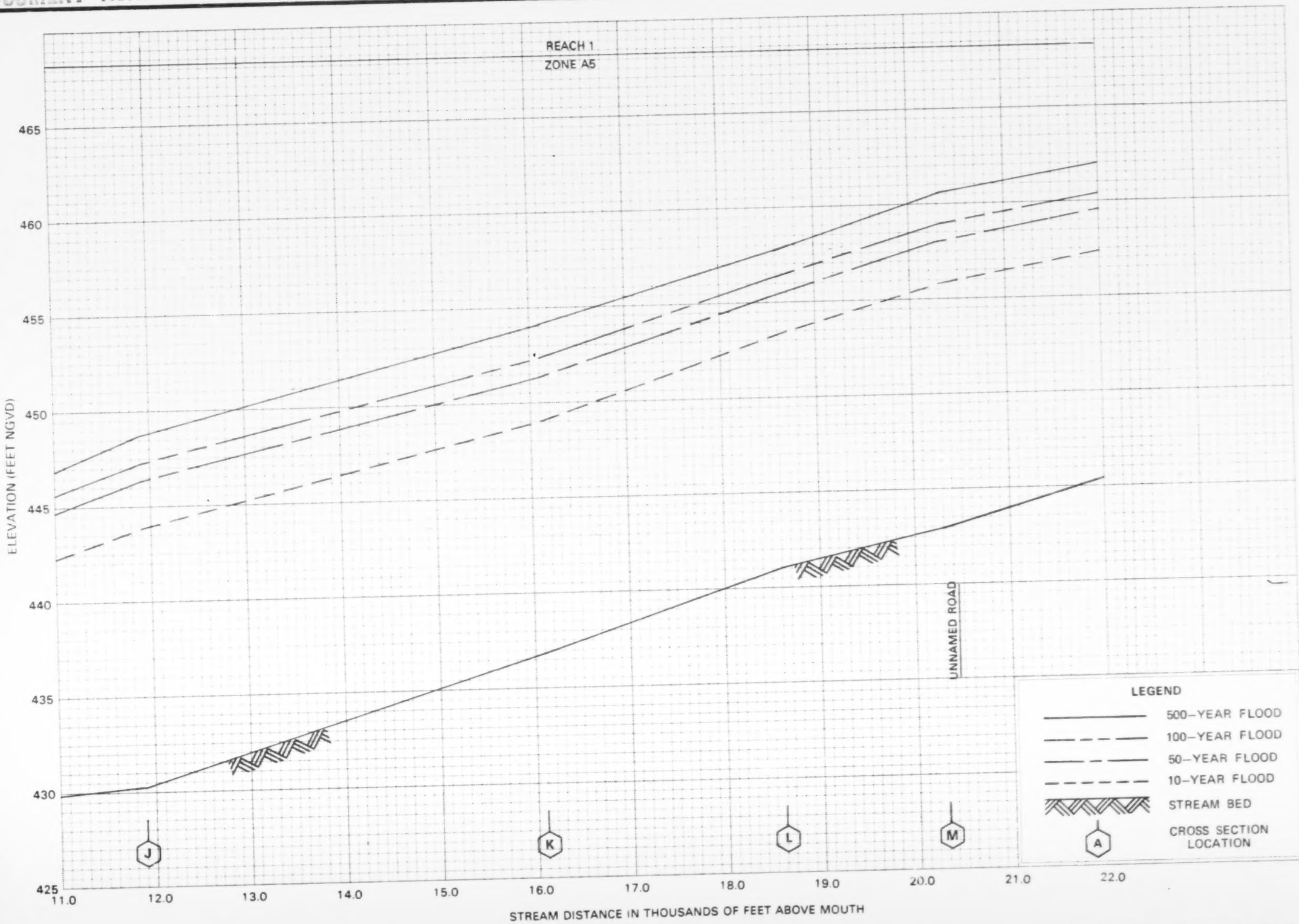

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

60P

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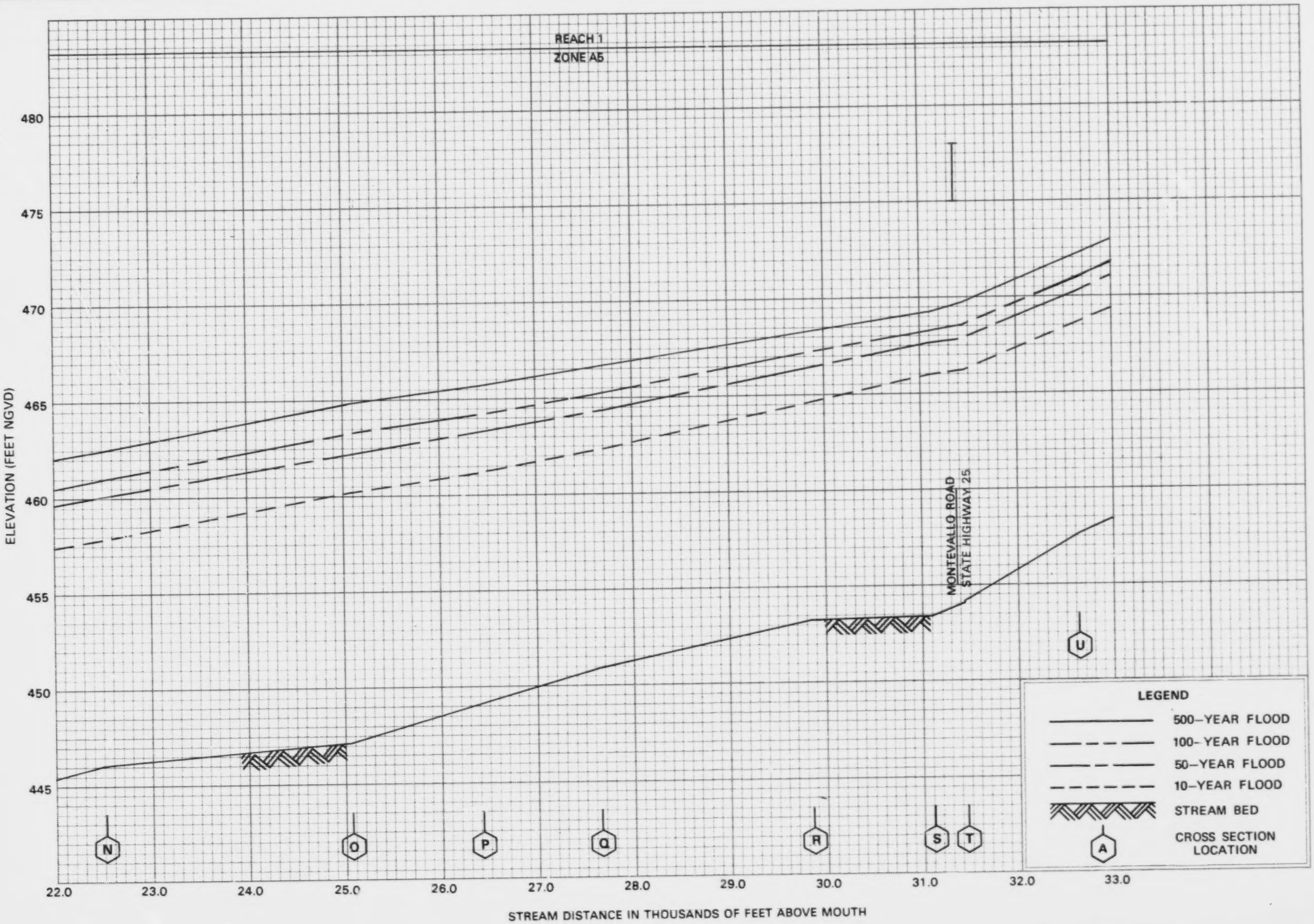

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

61P

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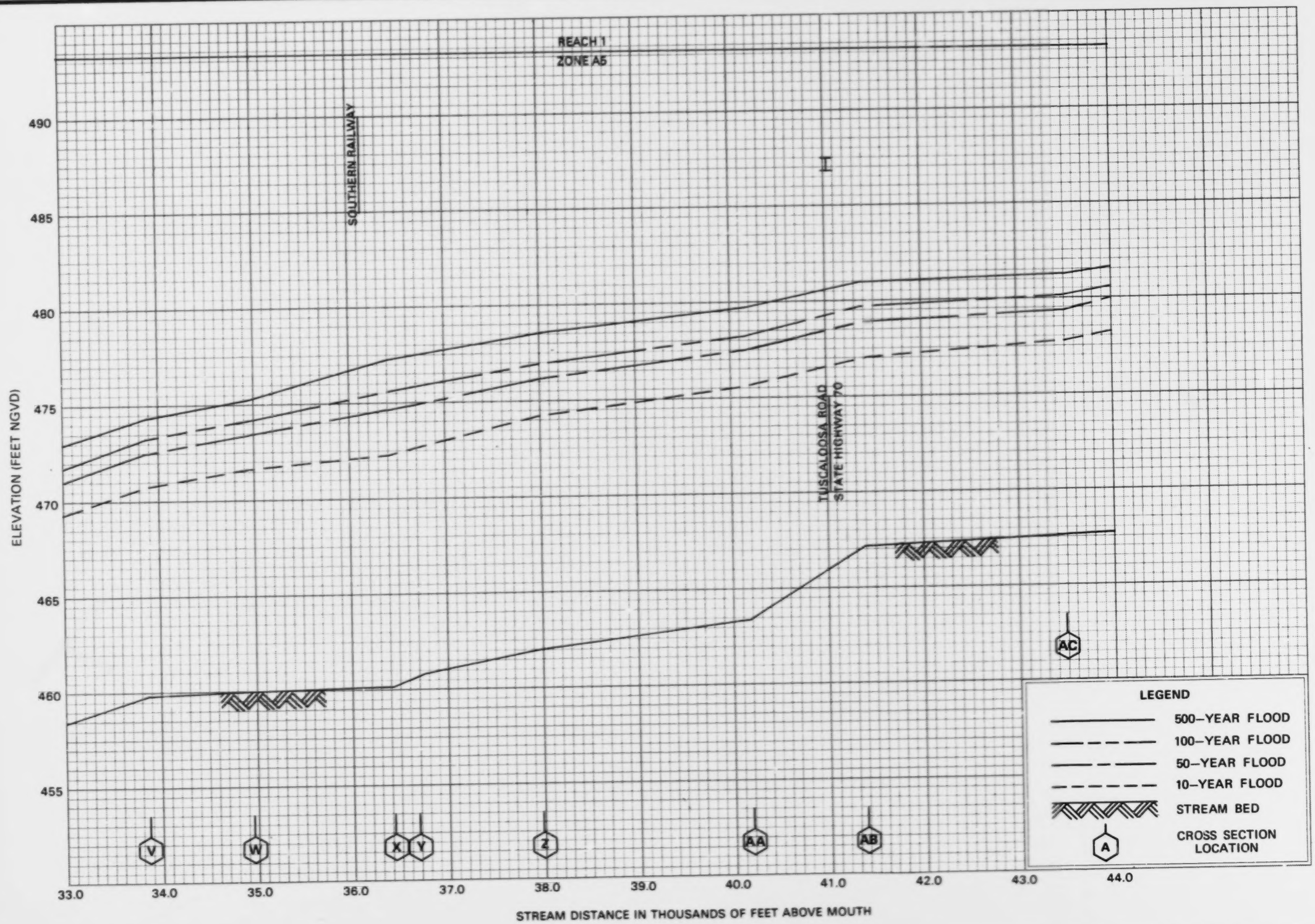

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

62P

BEST DOCUMENT AVAILABLE

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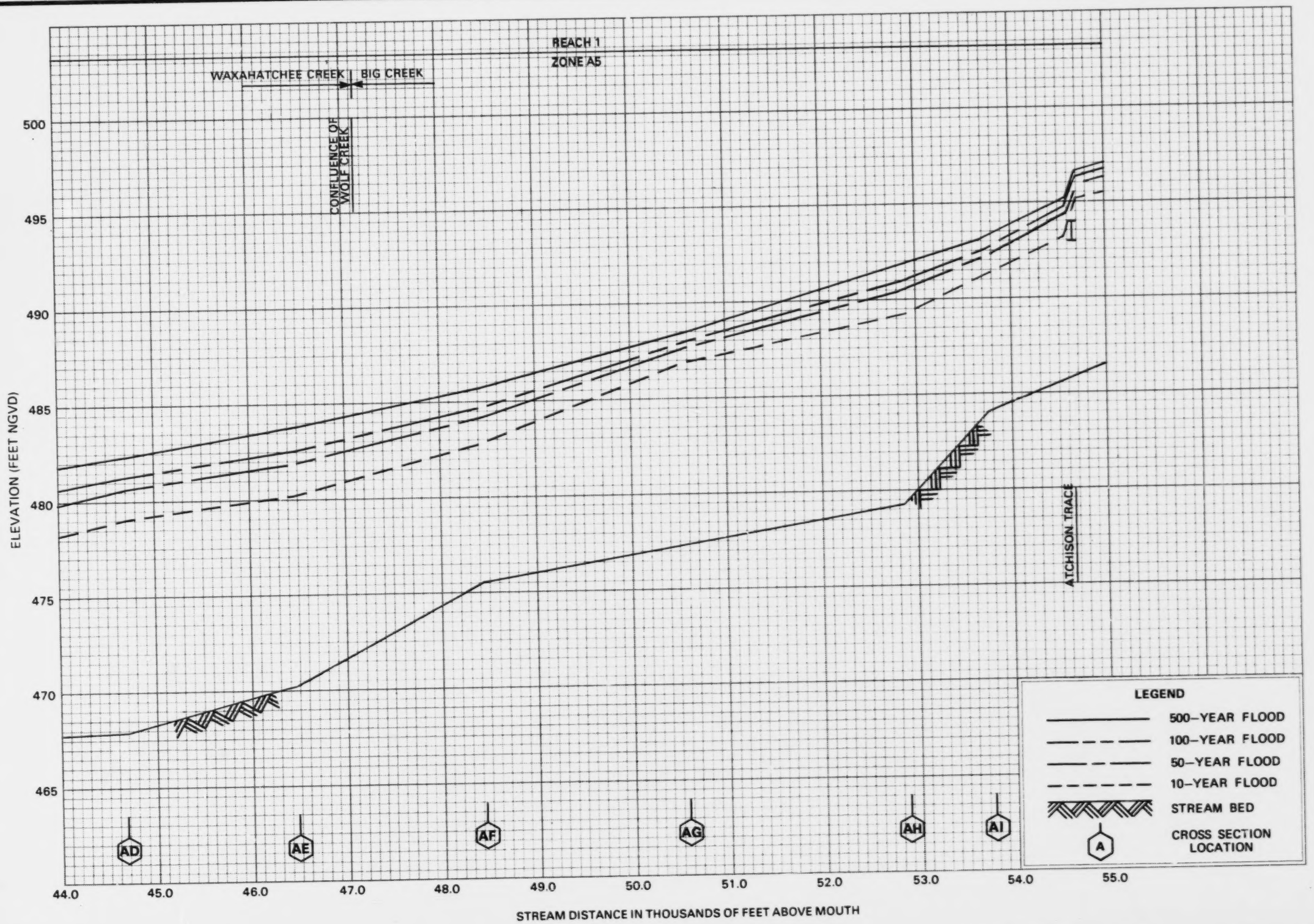

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

63P

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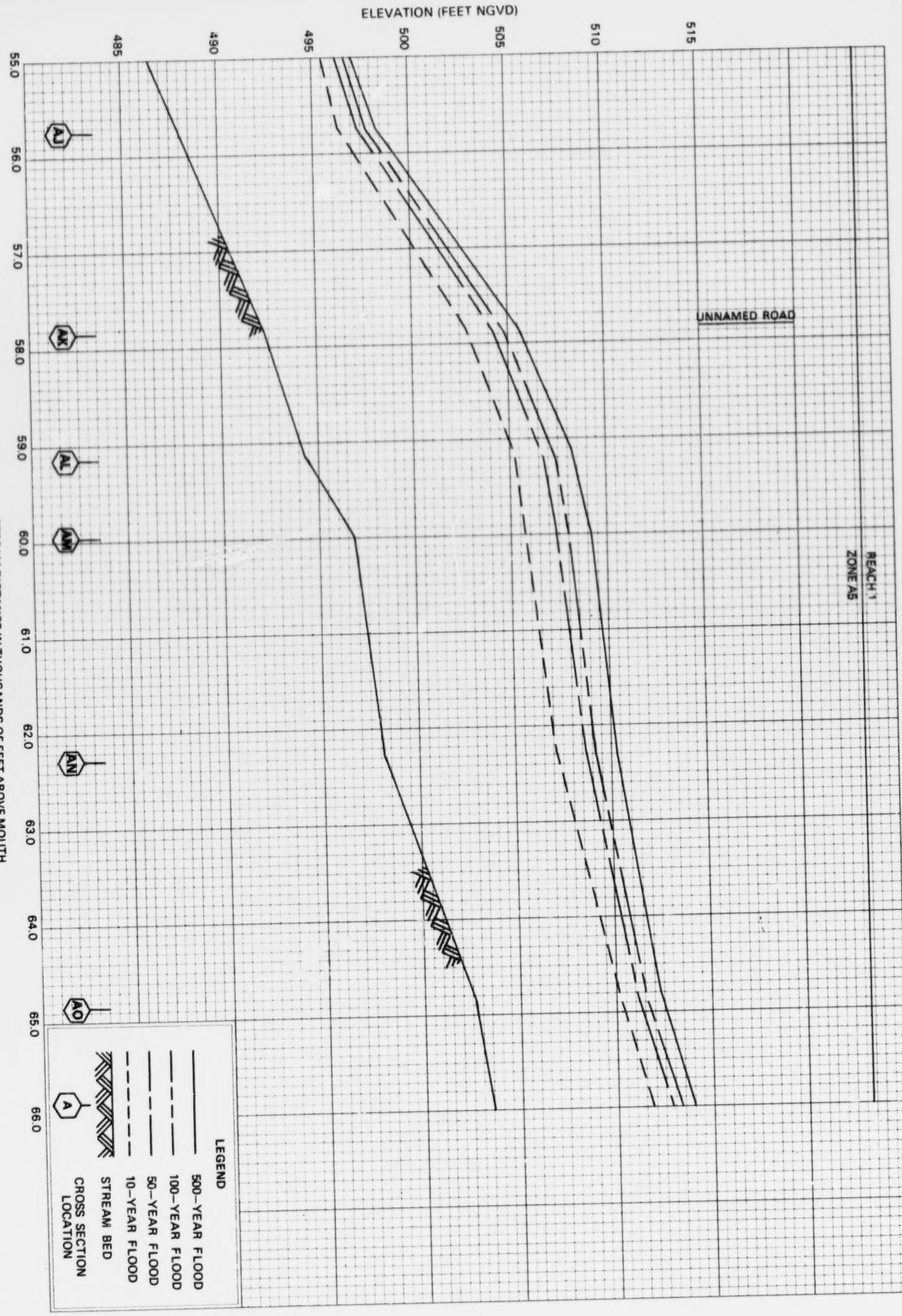
BEST DOCUMENT AVAILABLE



64P	FEDERAL EMERGENCY MANAGEMENT AGENCY **SHELBY COUNTY, AL** (UNINCORPORATED AREAS)	**FLOOD PROFILES** **WAXAHATCHEE CREEK/BIG CREEK**

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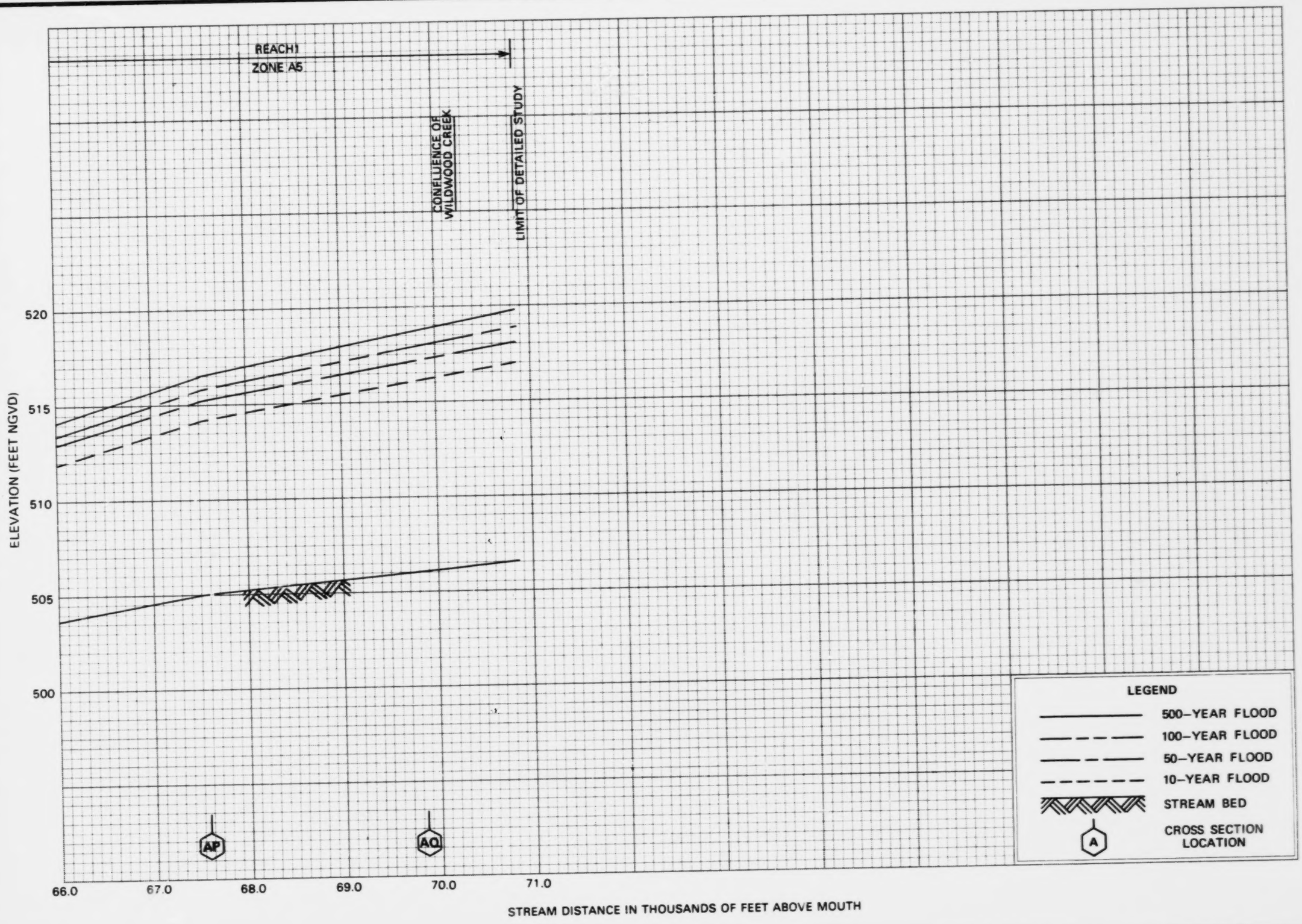

FLOOD PROFILES

WAXAHATCHEE CREEK/BIG CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

65P

BEST DOCUMENT AVAILABLE

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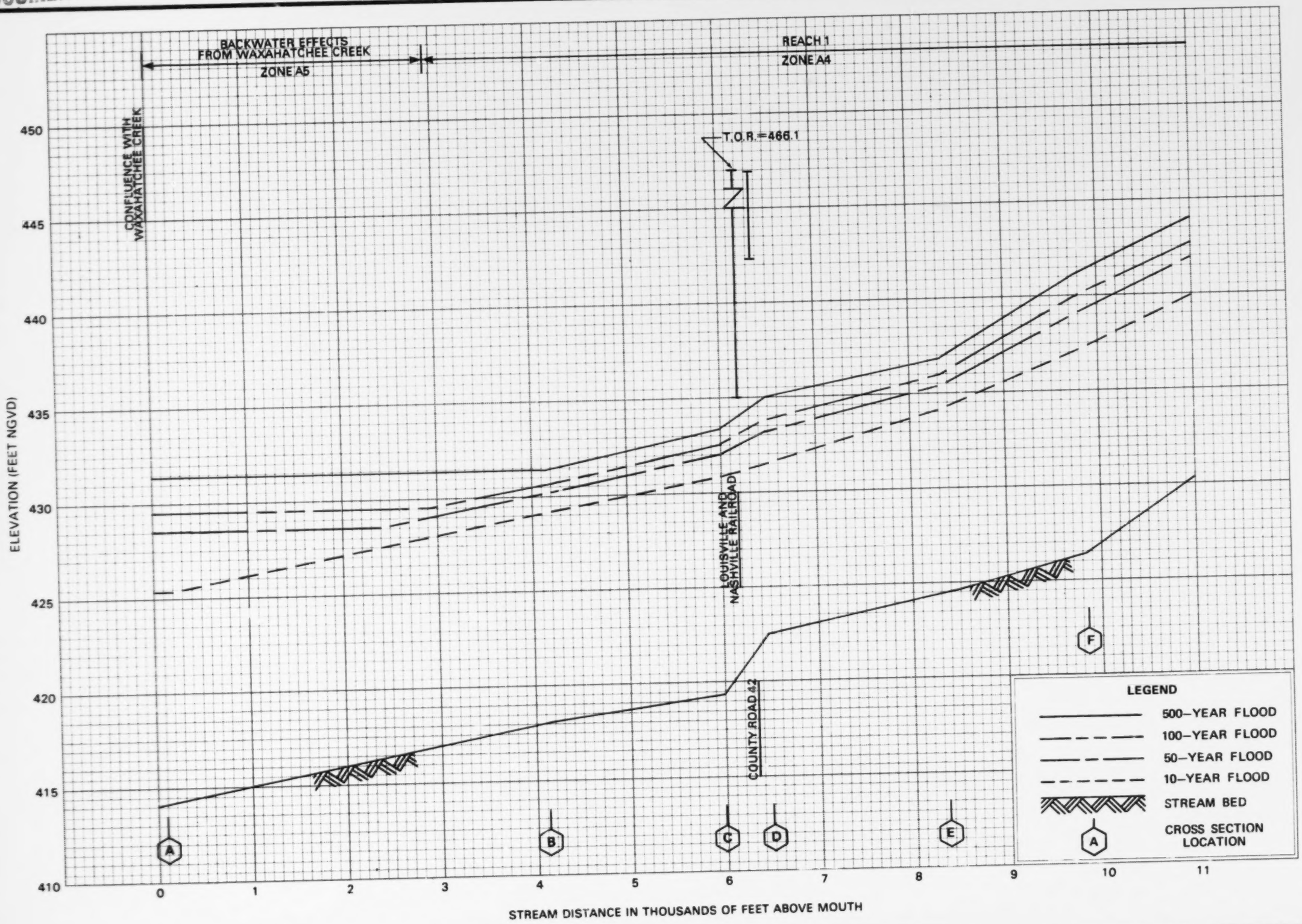


FLOOD PROFILES

CAMP BRANCH

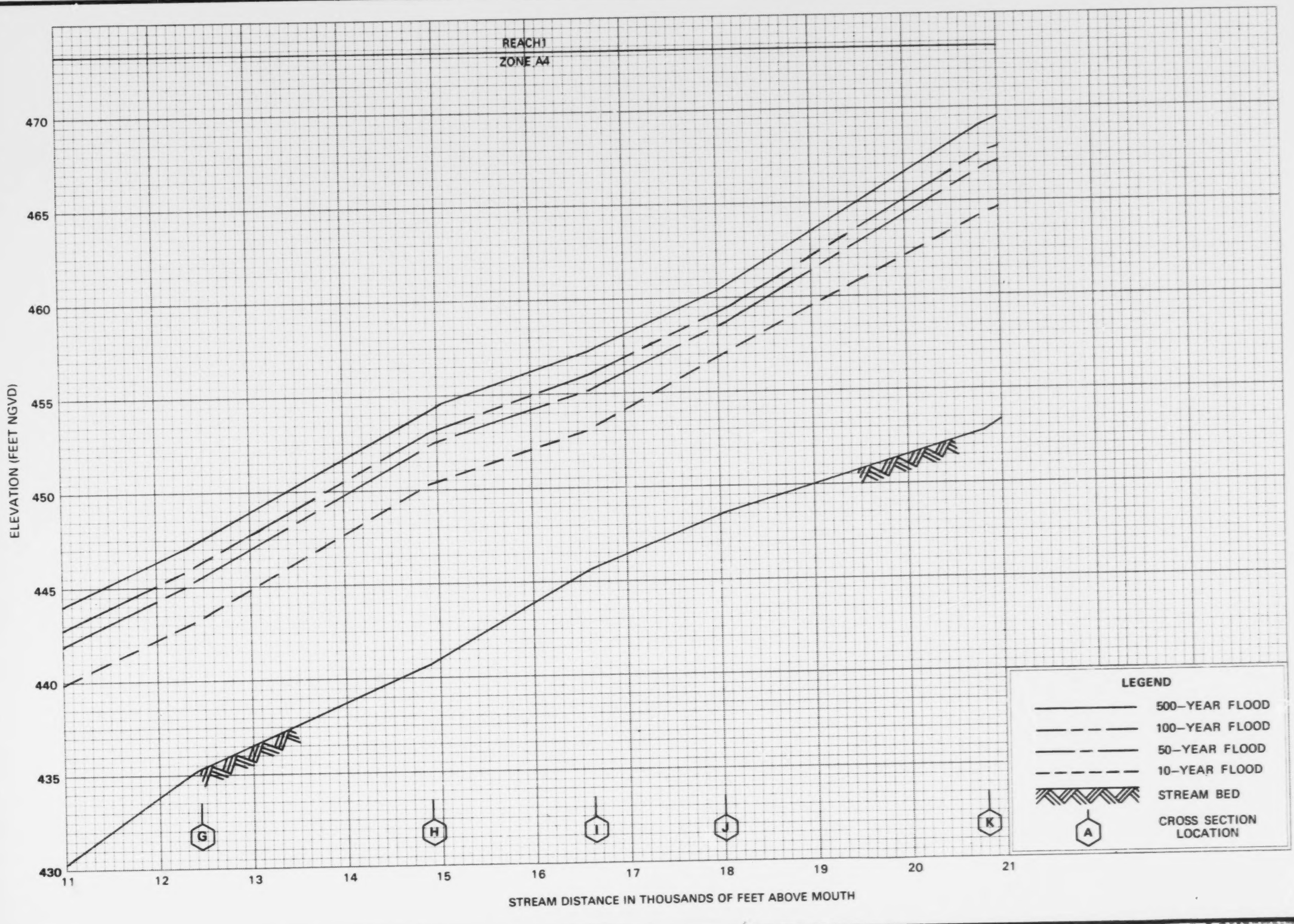
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

66P

BEST DOCUMENT AVAILABLE

ST DOCUMENT AVAILABLE



FLOOD PROFILES

CAMP BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

67P

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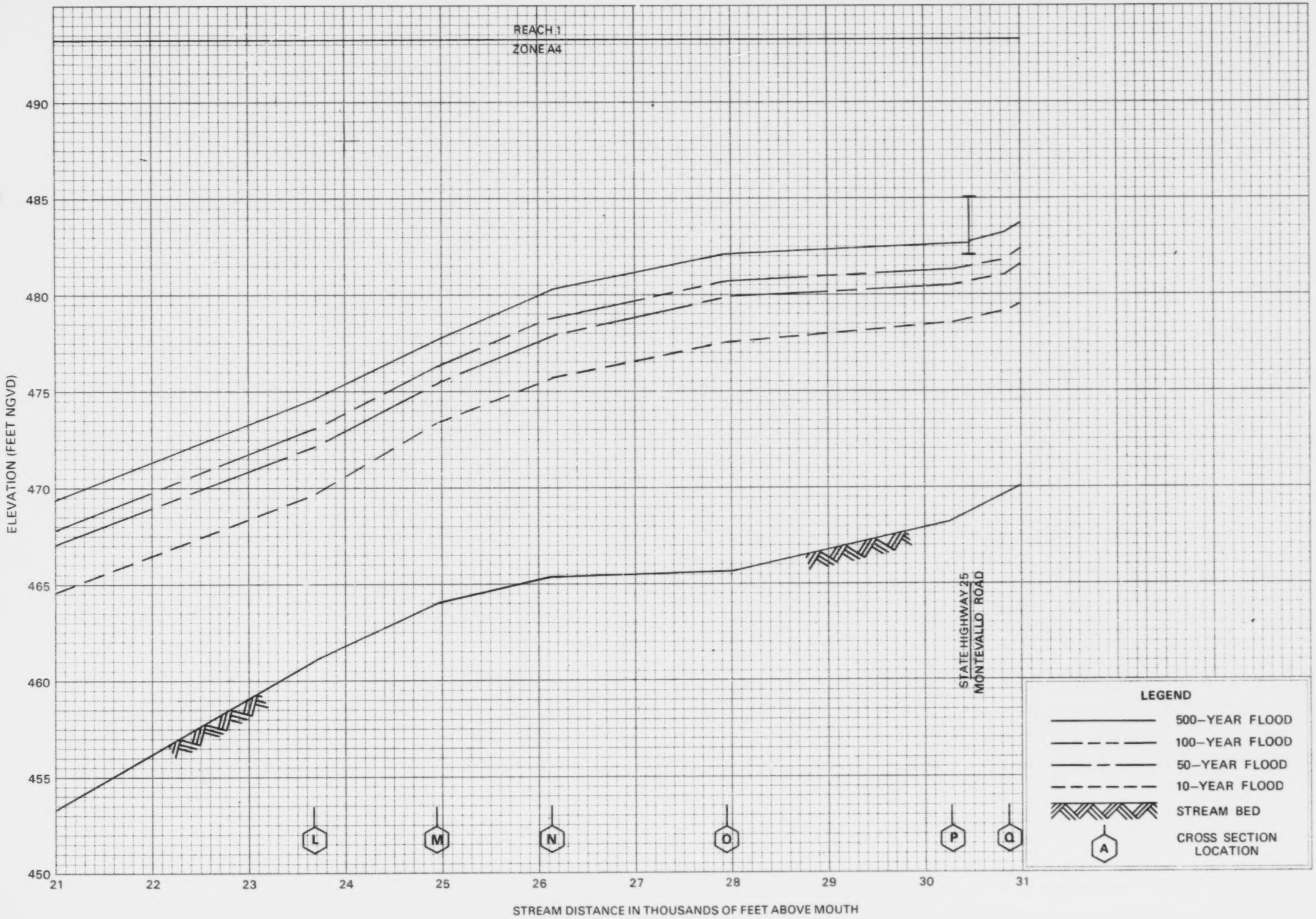
ST DOCUMENT AVAILABLE



FLOOD PROFILES

CAMP BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

68P

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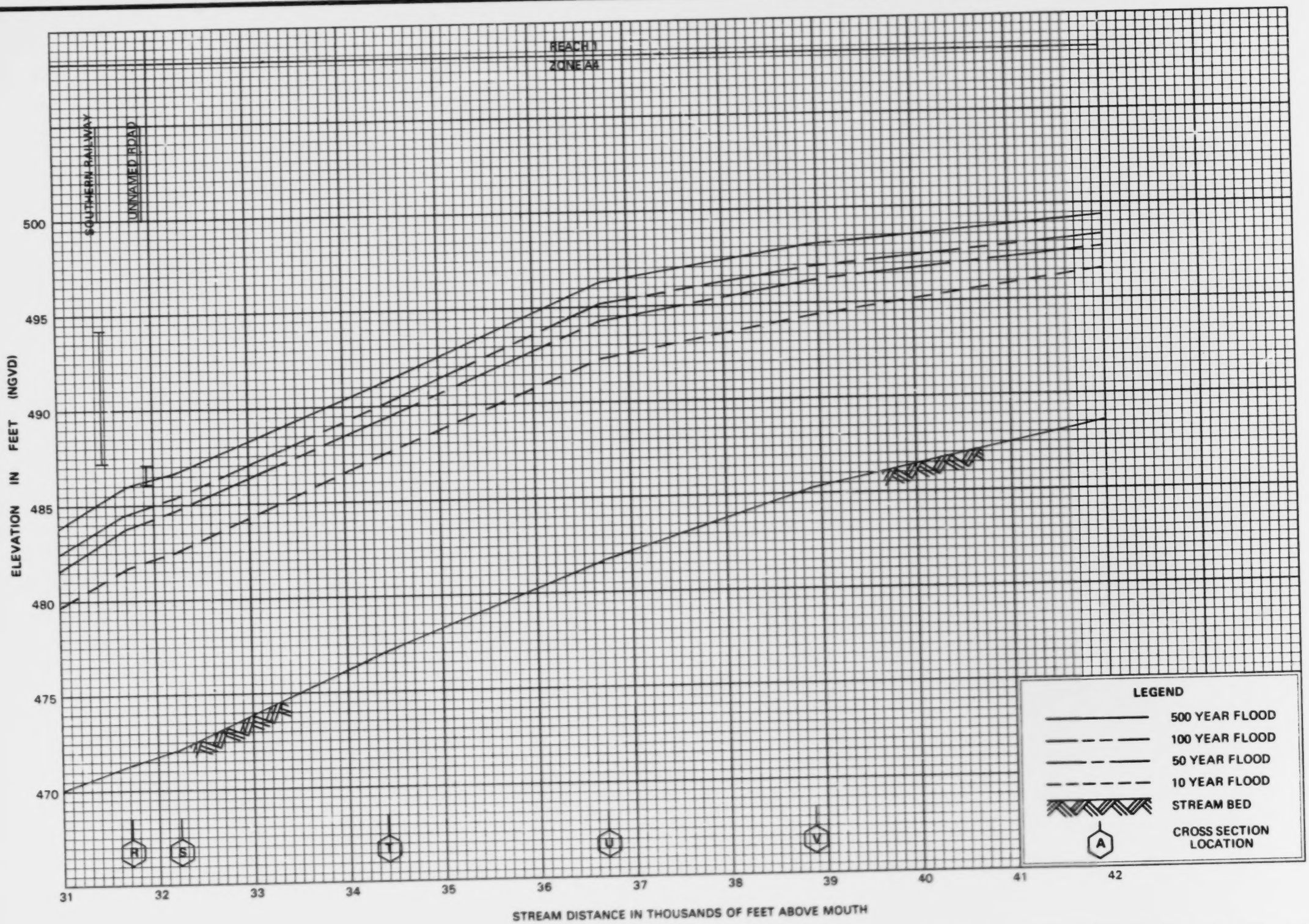

FLOOD PROFILES

CAMP BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

69P

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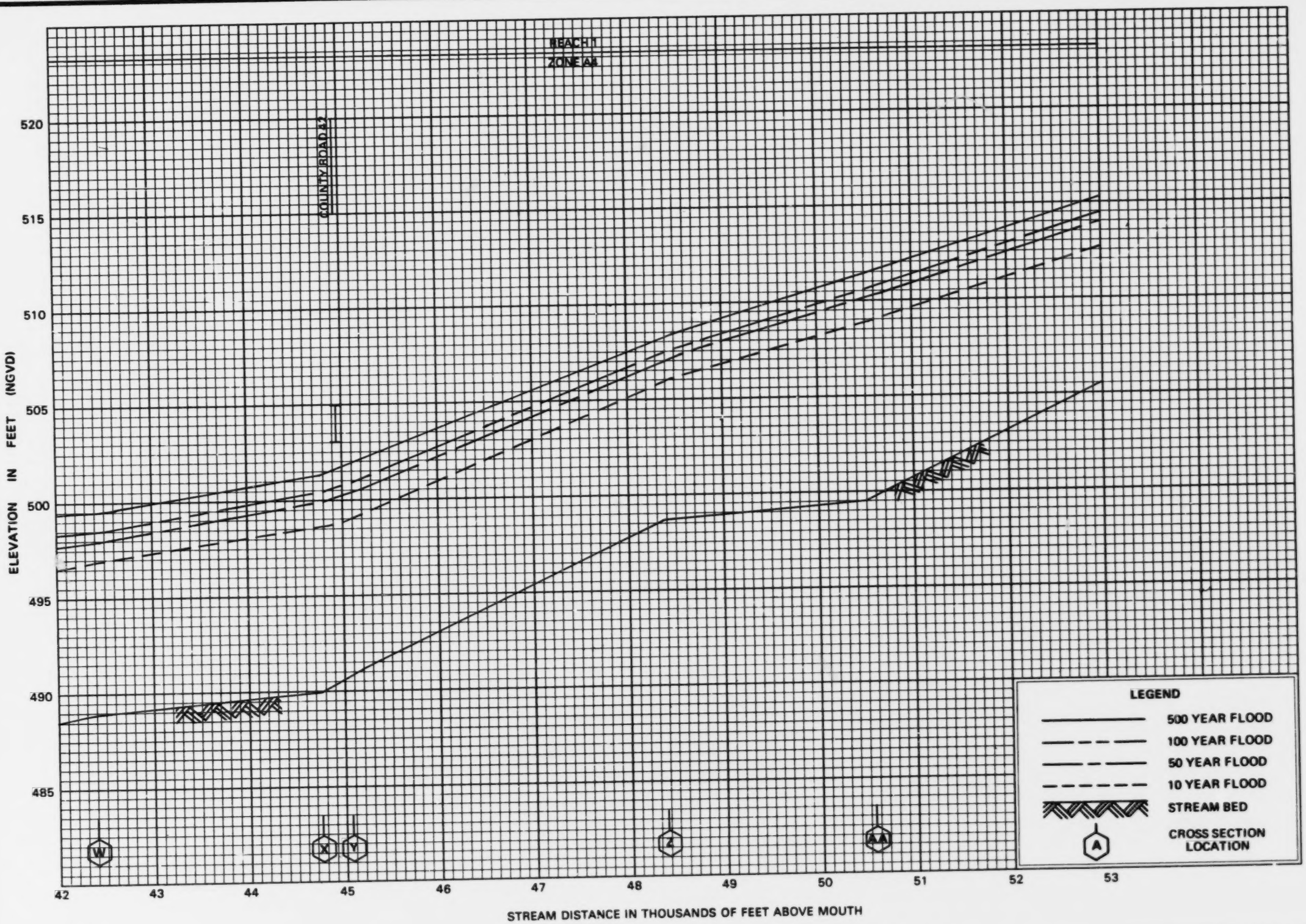
ST DOCUMENT AVAILABLE



FLOOD PROFILES

CAMP BRANCH

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

70P

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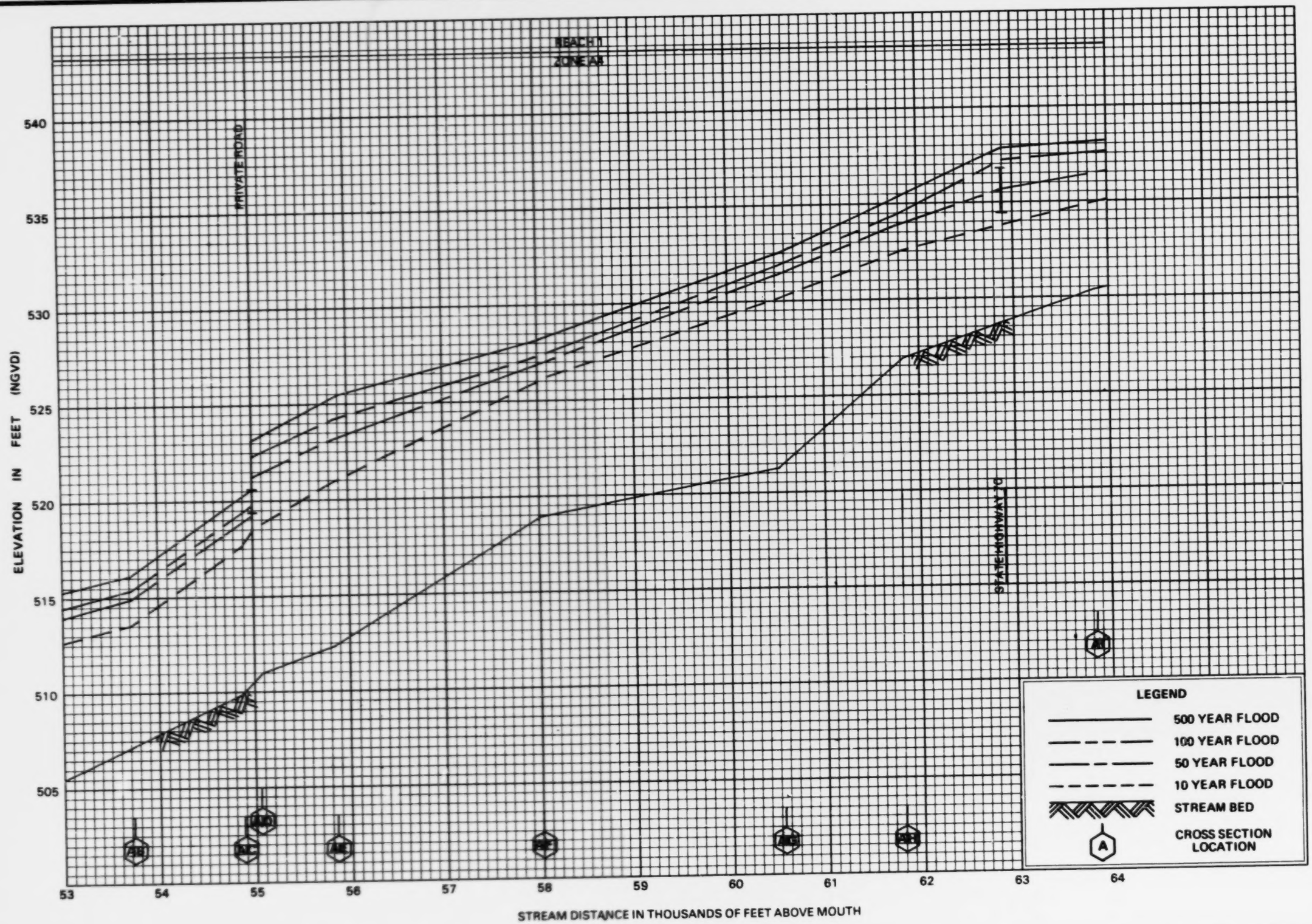
ST DOCUMENT AVAILABLE



FLOOD PROFILES

CAMP BRANCH

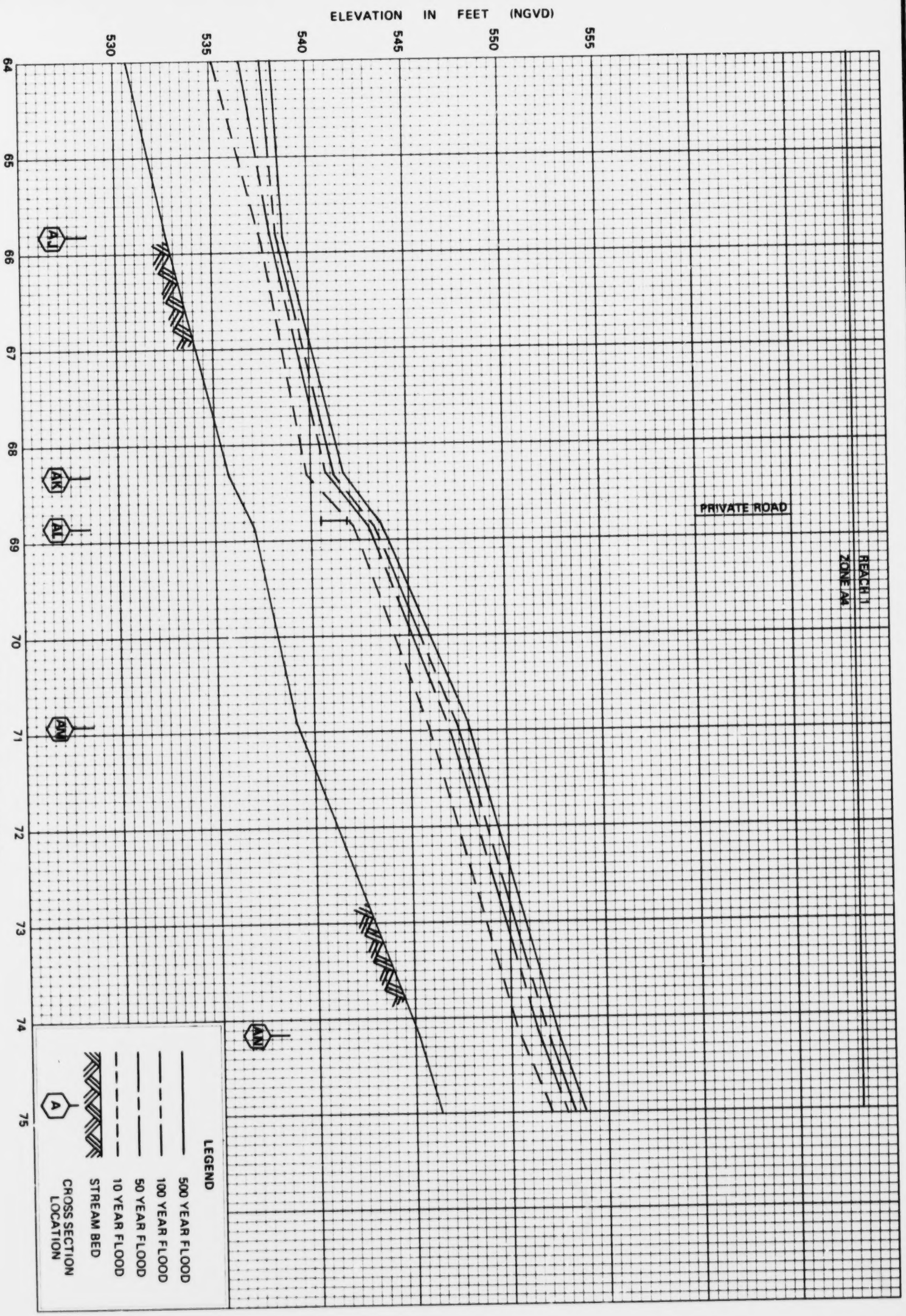
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

71P

BEST DOCUMENT AVAILABLE

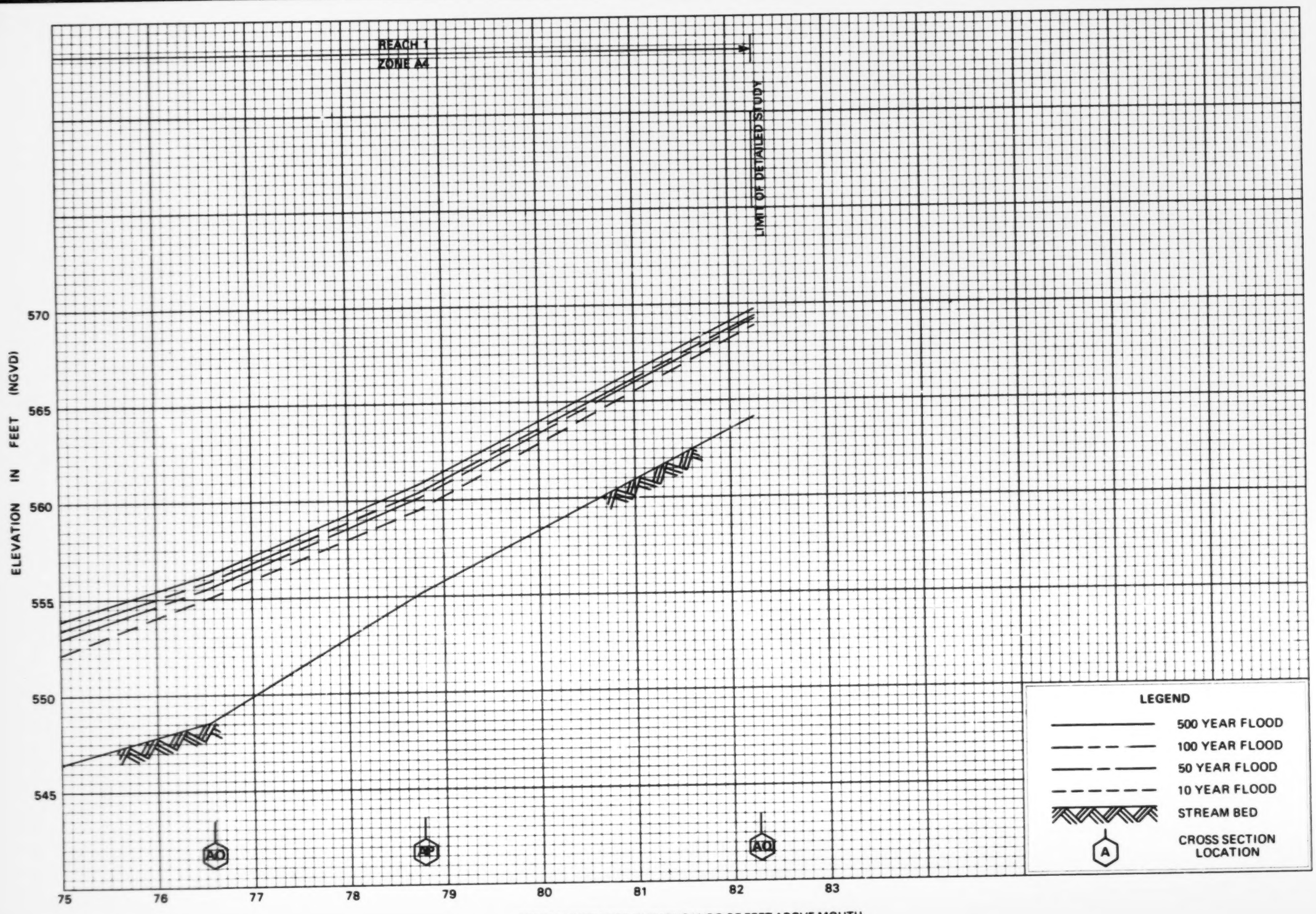
BEST DOCUMENT AVAILABLE



72P	FEDERAL EMERGENCY MANAGEMENT AGENCY **SHELBY COUNTY, AL** **(UNINCORPORATED AREAS)**	**FLOOD PROFILES** **CAMP BRANCH**

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

CAMP BRANCH

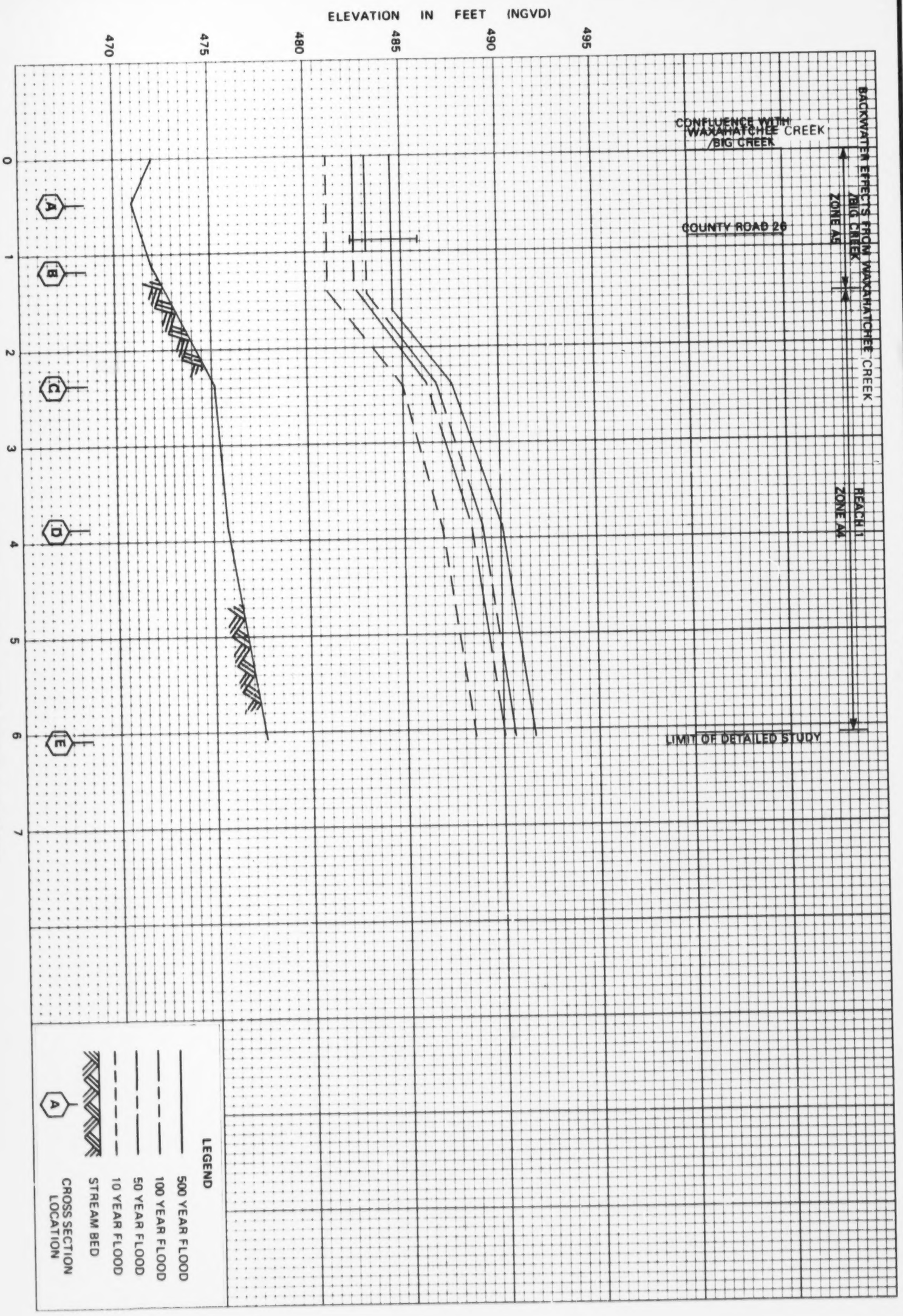
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

73P

BEST DOCUMENT AVAILABLE

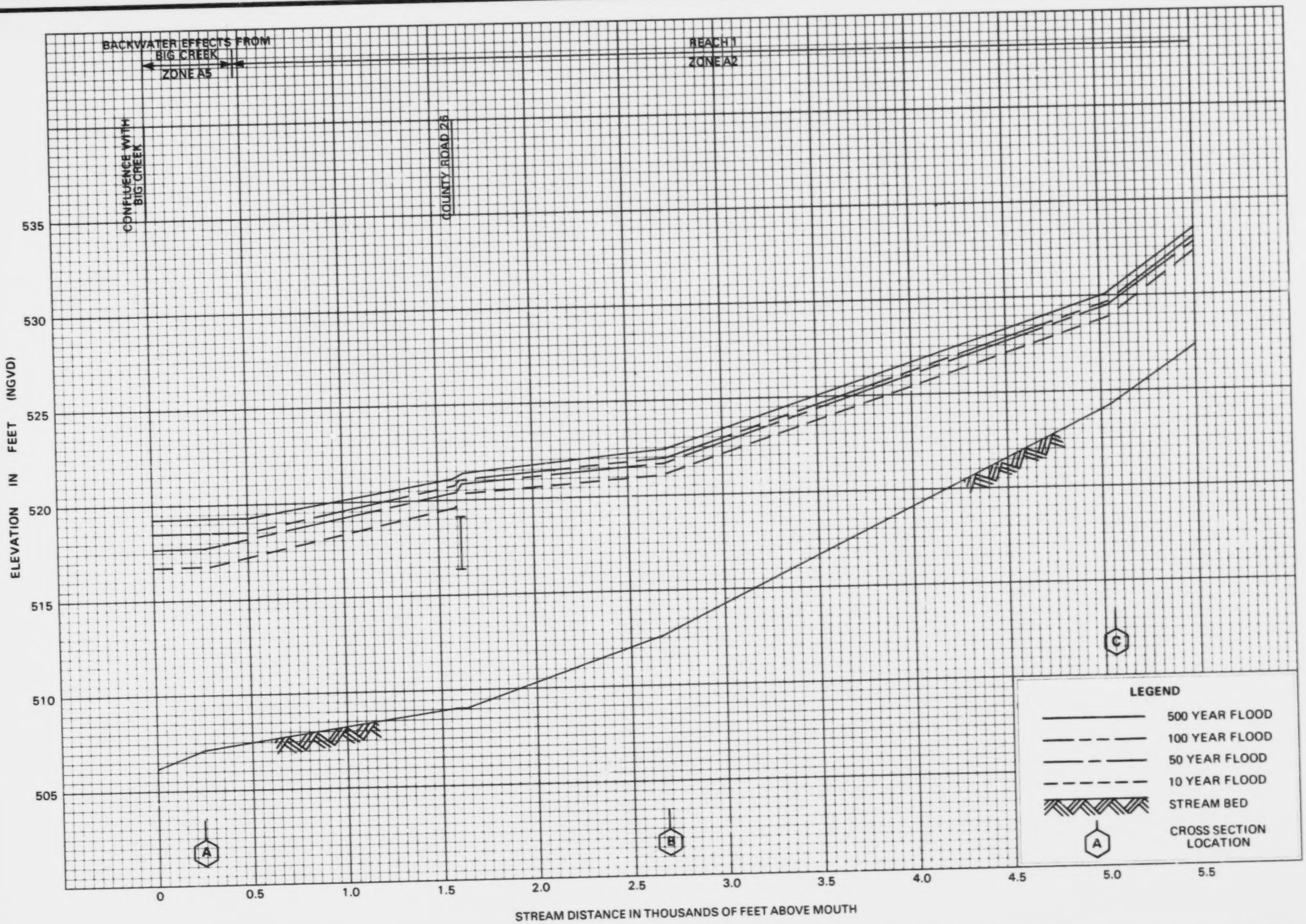
DOCUMENT AVAILABLE



74P	FEDERAL EMERGENCY MANAGEMENT AGENCY **SHELBY COUNTY, AL** **(UNINCORPORATED AREAS)**	**FLOOD PROFILES** **WOLF CREEK**

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

WILDWOOD CREEK

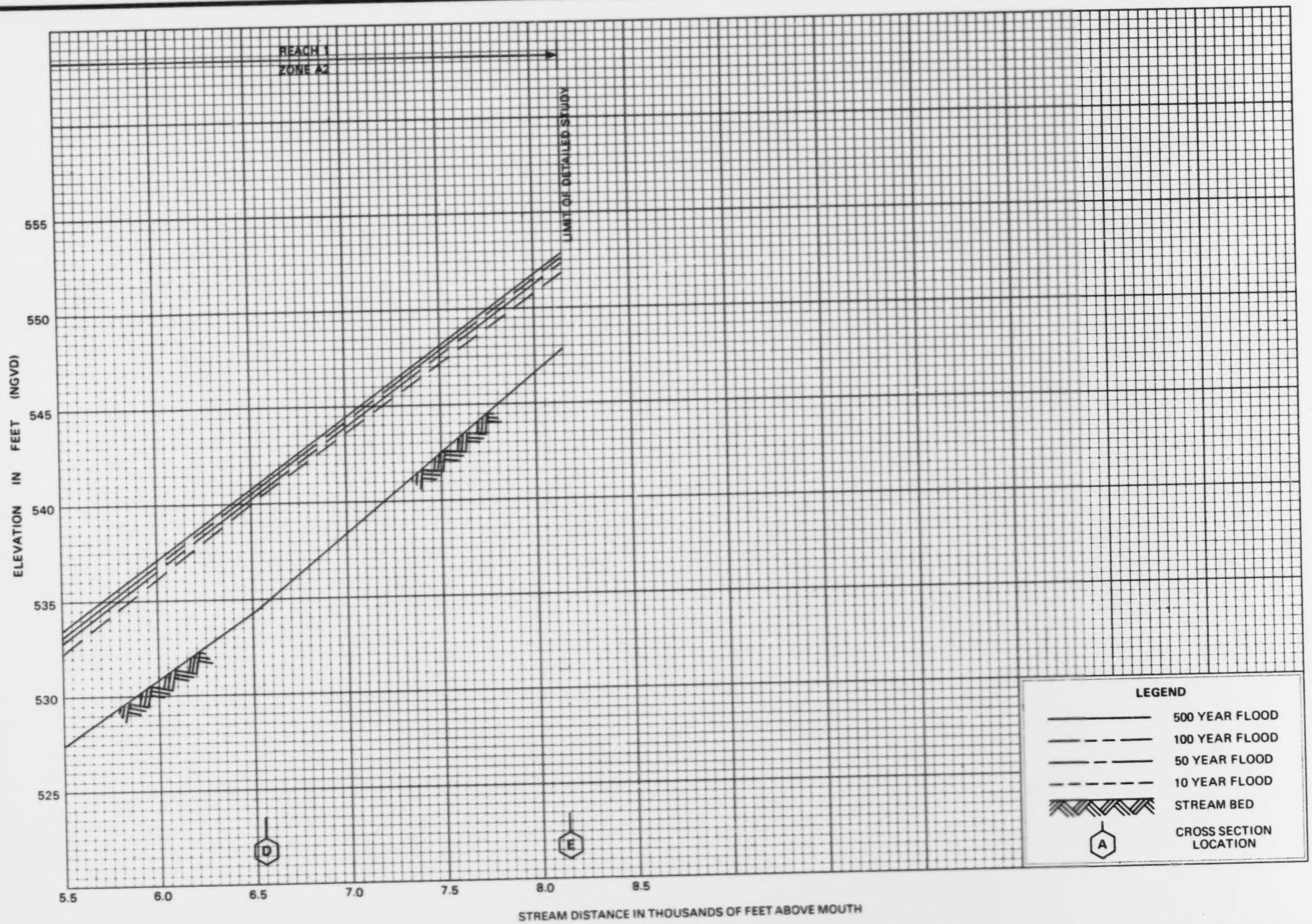
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

75P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

WILDWOOD CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

76P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE

REACH 1
ZONE A1

ST. CLAIR COUNTY
SHELBY COUNTY

U.S. HIGHWAY 231
STATE HIGHWAY 53

LIMIT OF DETAILED STUDY

ELEVATION IN FEET (NGVD)

440
430
420
410
400

0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE SHELBY COUNTY LIMITS

A B C D E F G H

LEGEND

- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- CROSS SECTION LOCATION (A)

FLOOD PROFILES

KELLY CREEK

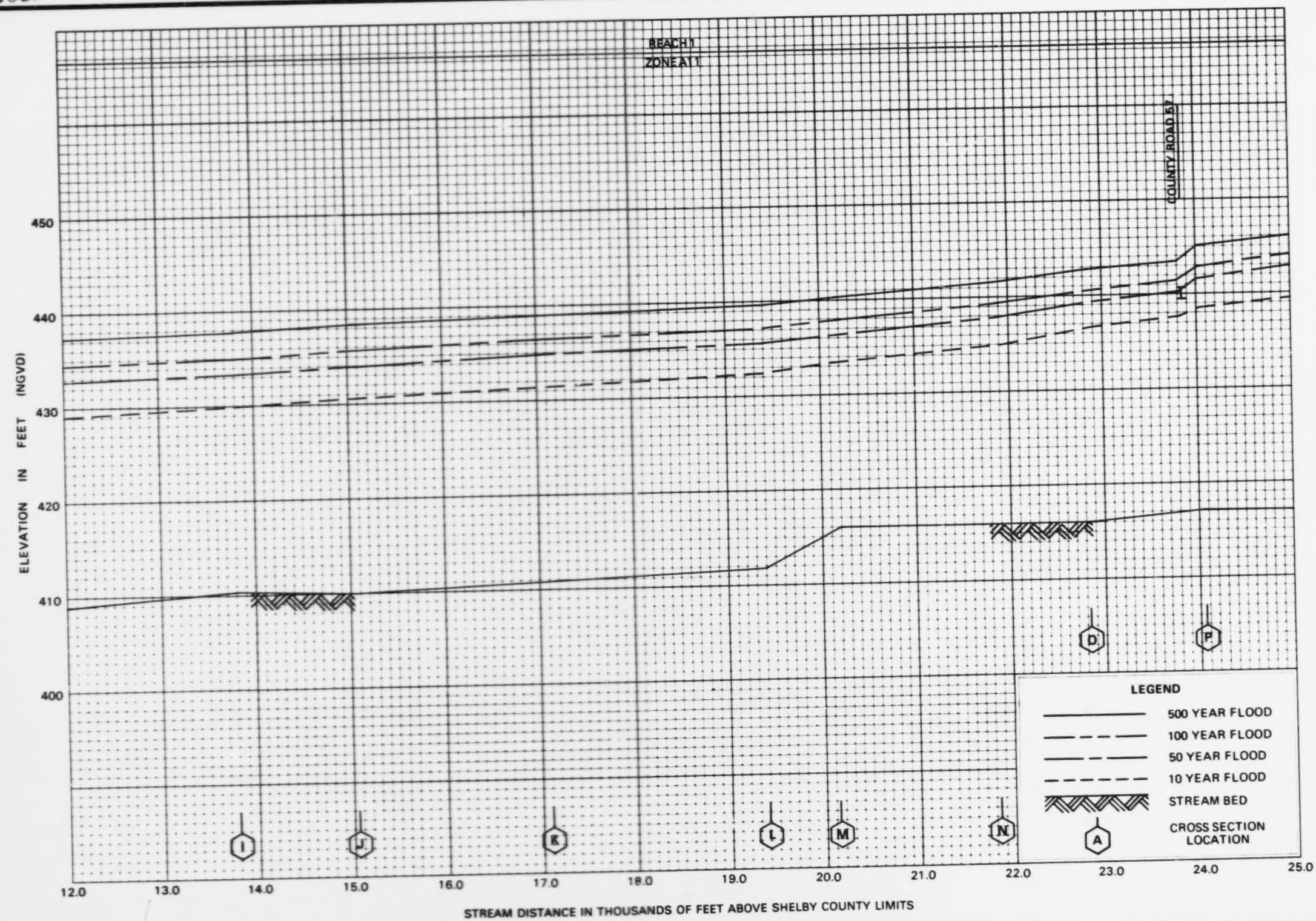
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

77P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

KELLY CREEK

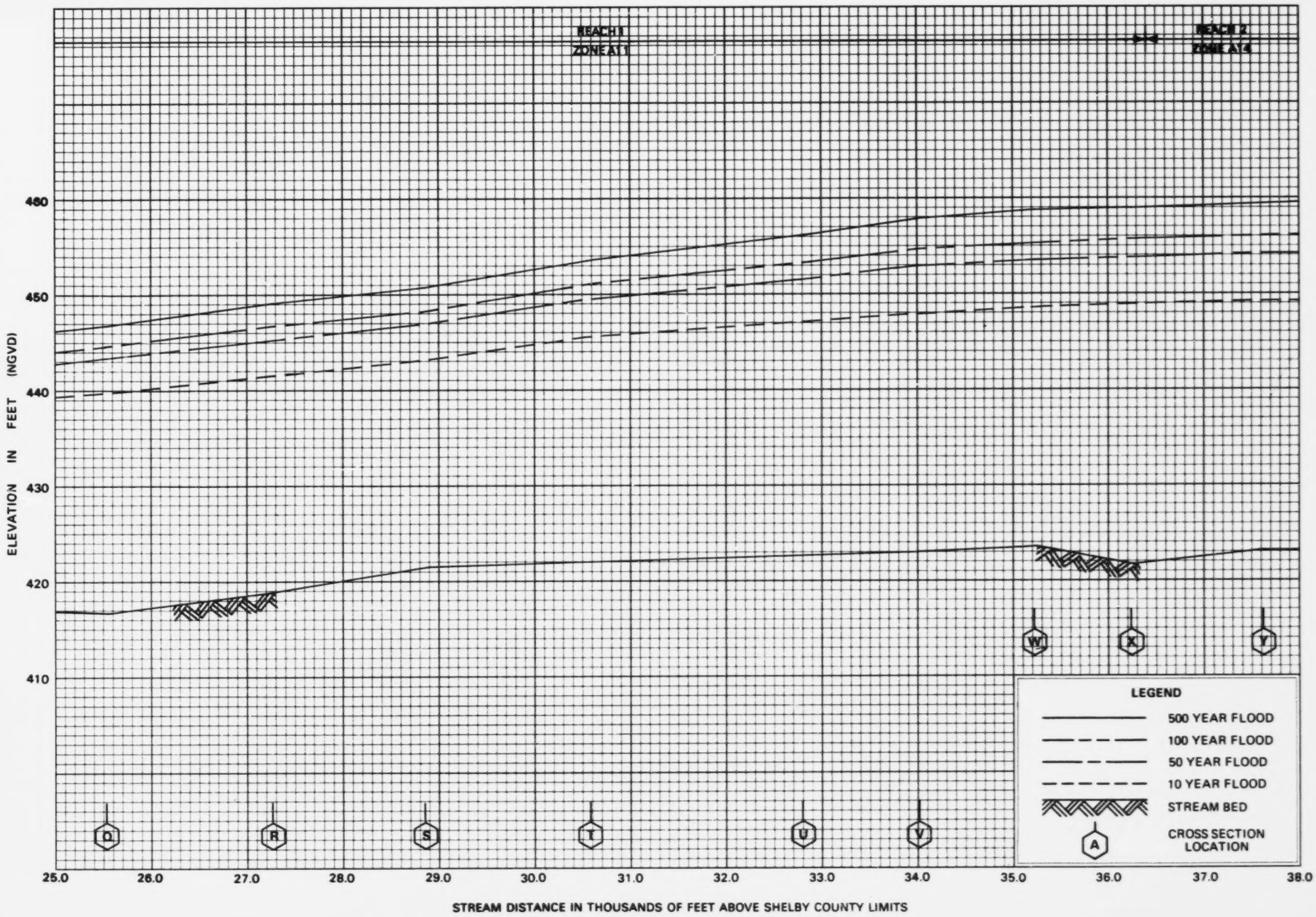
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

78P

BEST DOCUMENT AVAILABLE

T DOCUMENT AVAILABLE



FLOOD PROFILES

KELLY CREEK

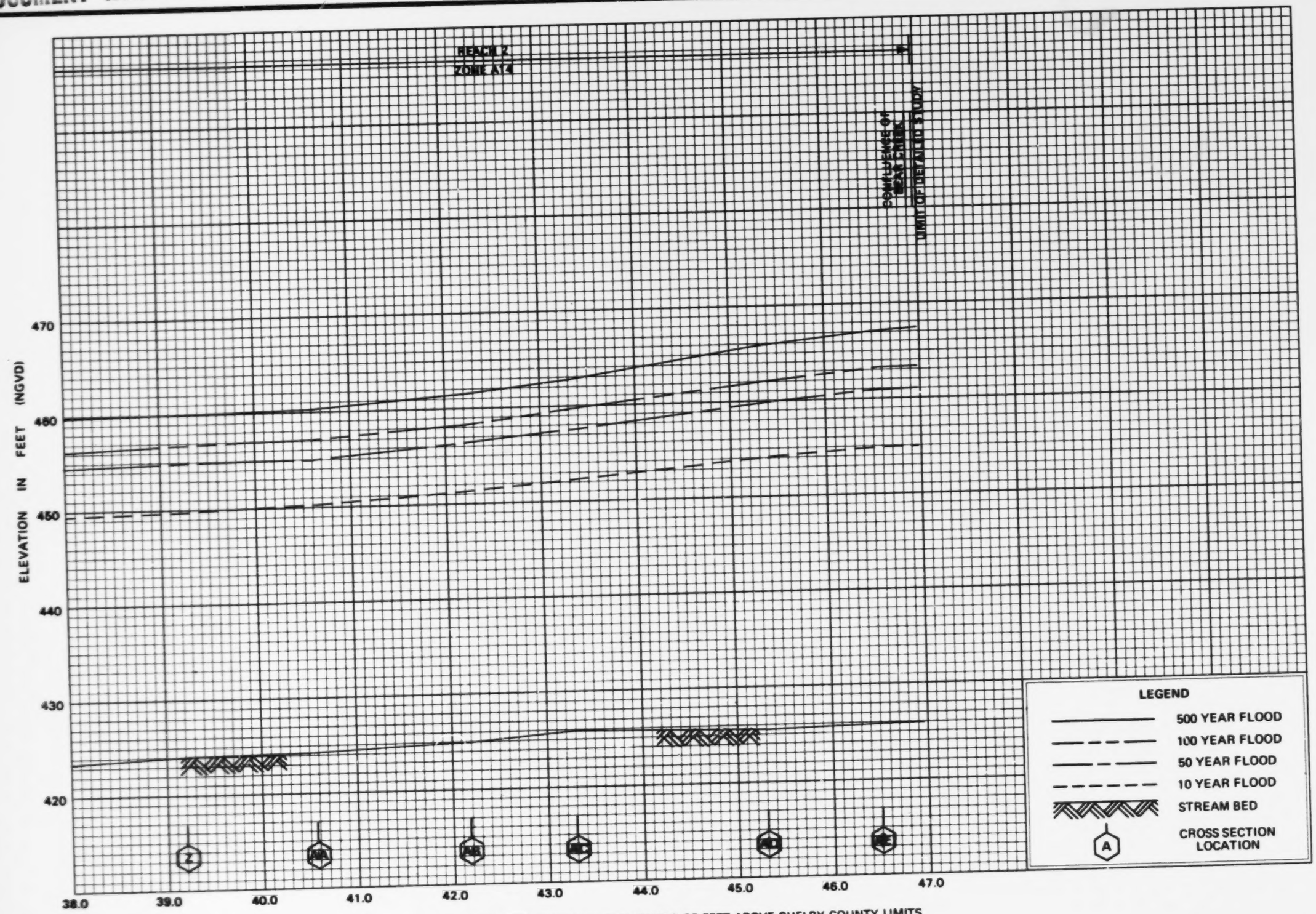
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

79P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

KELLY CREEK

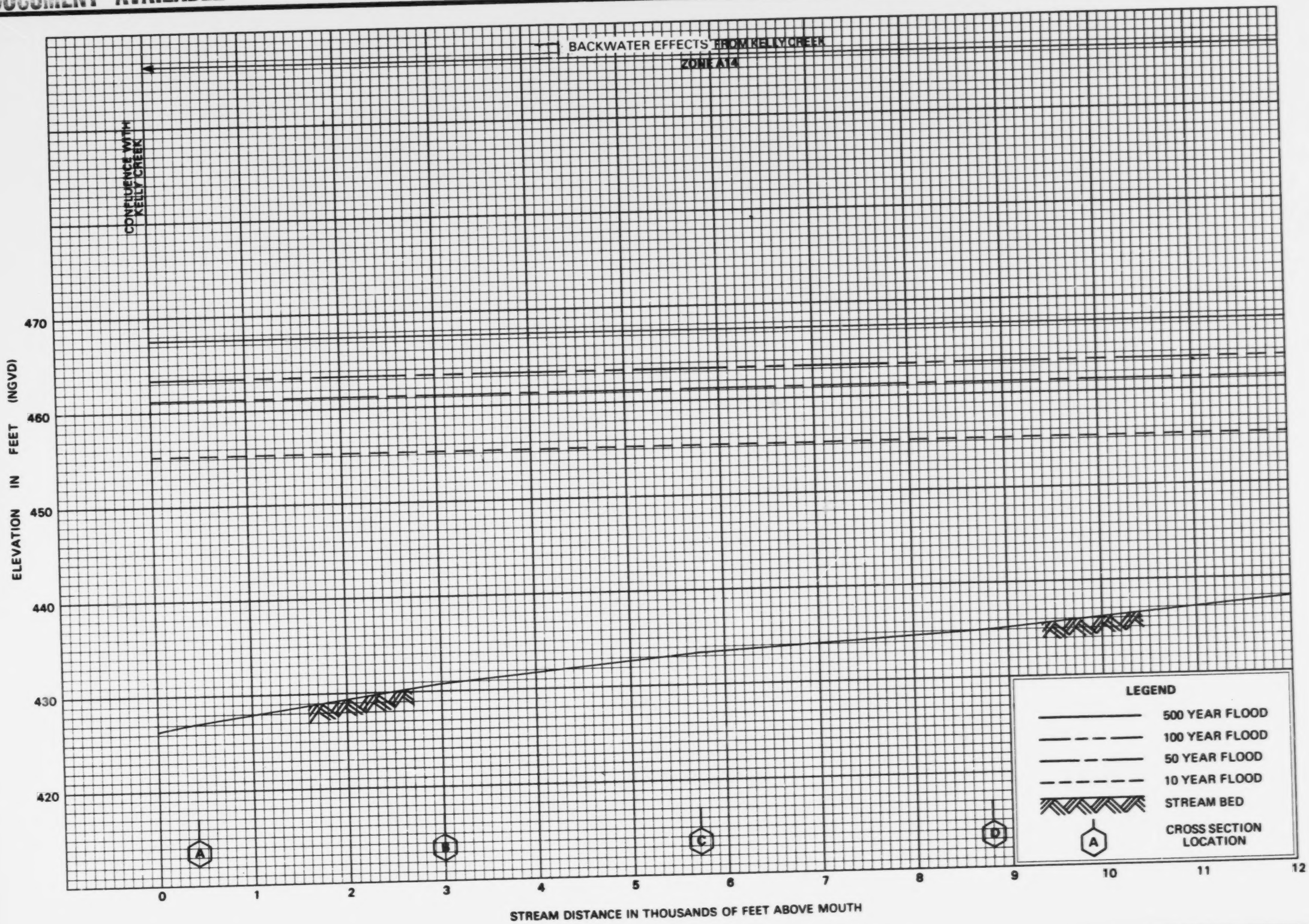
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

80P

BEST DOCUMENT AVAILABLE

T DOCUMENT AVAILABLE



FLOOD PROFILES

BEAR CREEK

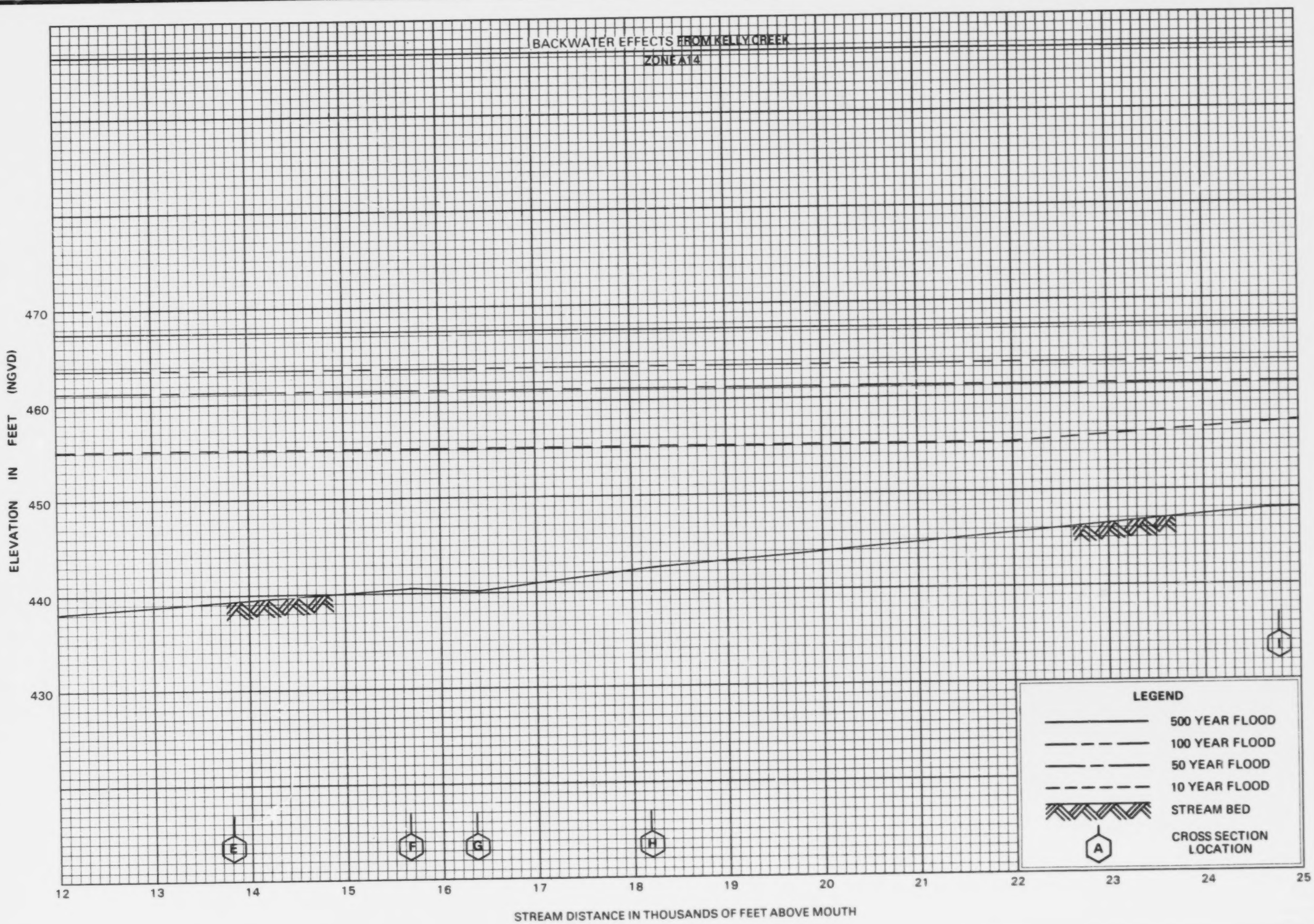
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

81P

BEST DOCUMENT AVAILABLE

ST DOCUMENT AVAILABLE



FLOOD PROFILES

BEAR CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

82P

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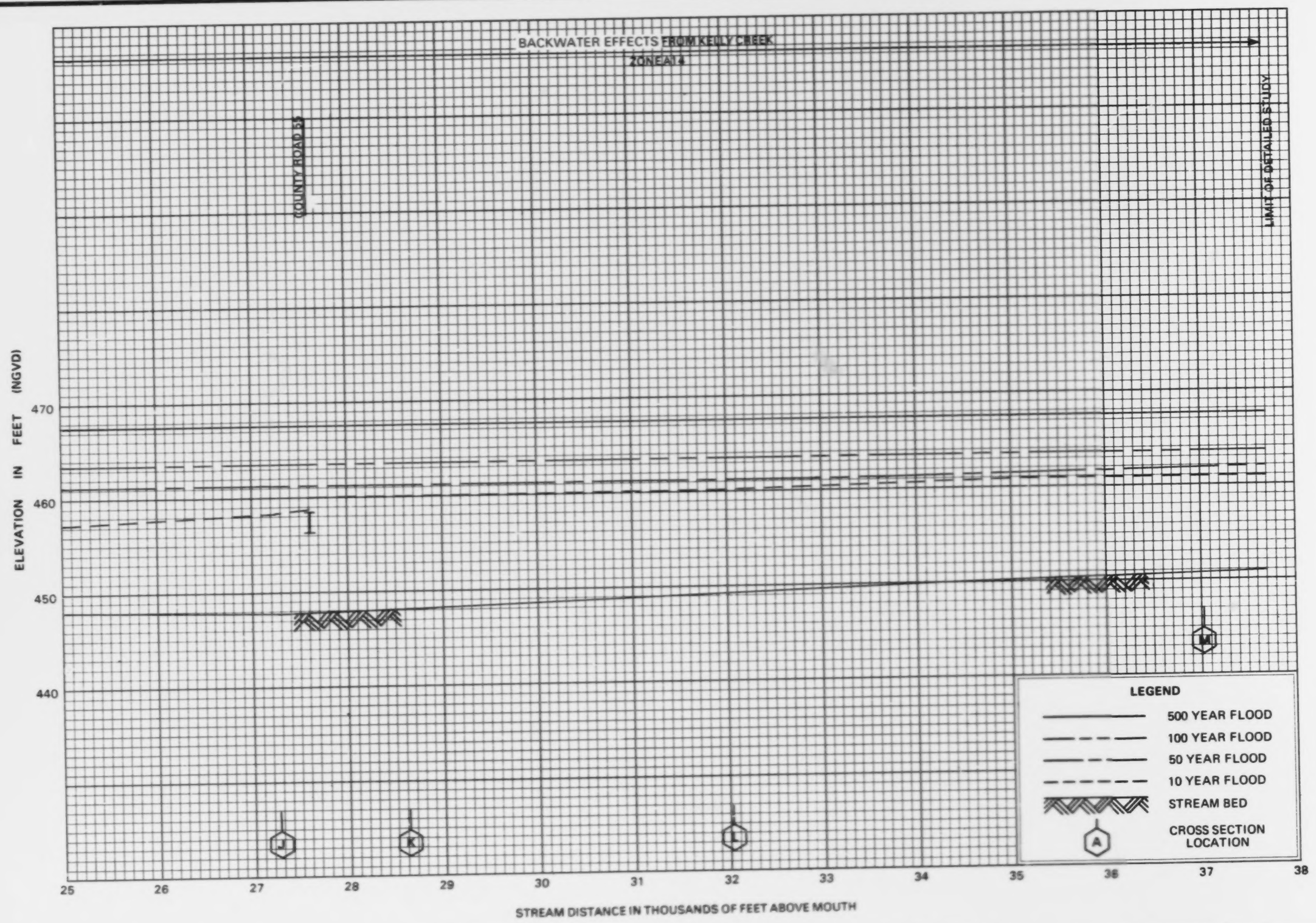
DOCUMENT AVAILABLE



FLOOD PROFILES

BEAR CREEK

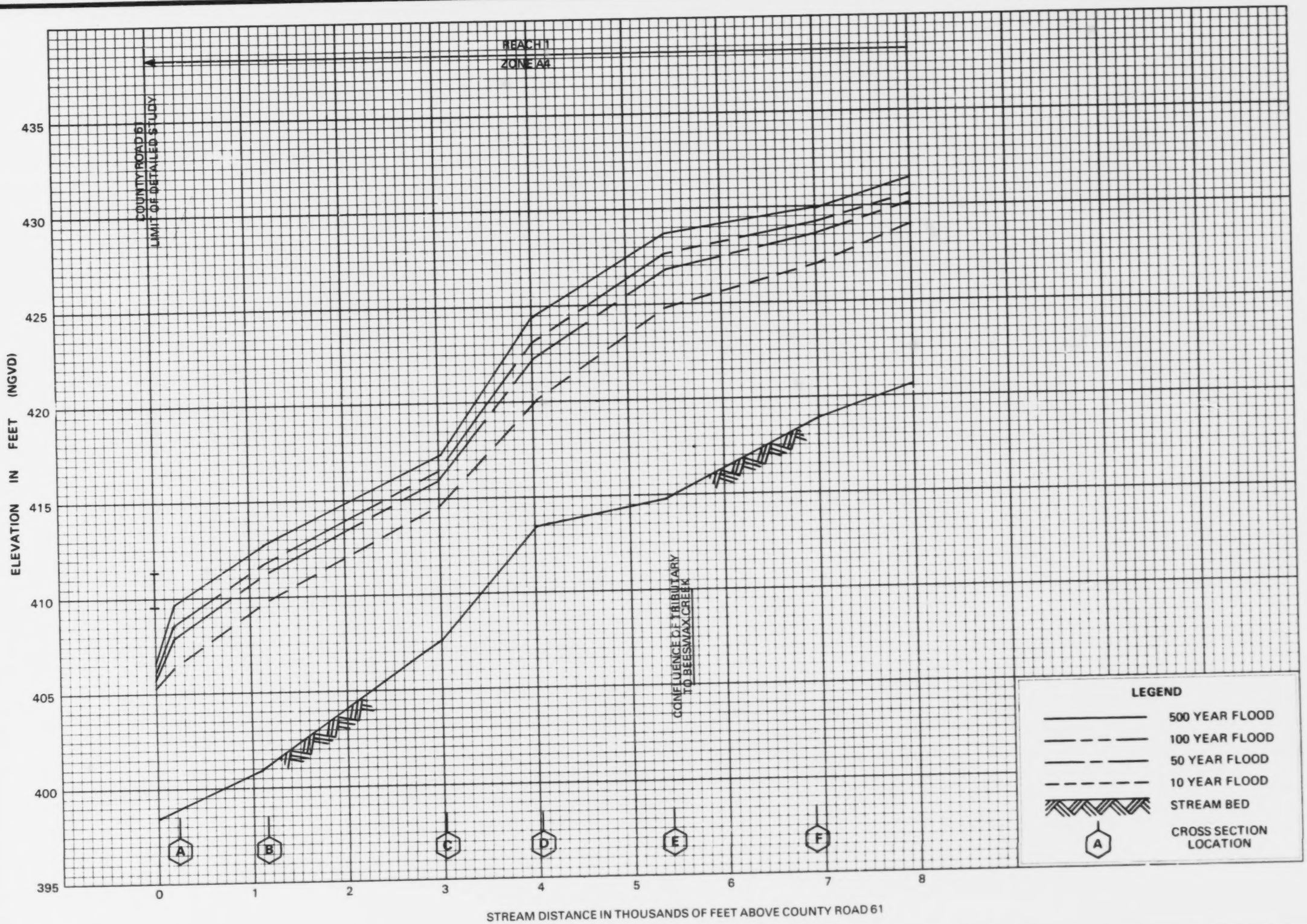
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

83P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

BEESWAX CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

84P

BEST DOCUMENT AVAILABLE

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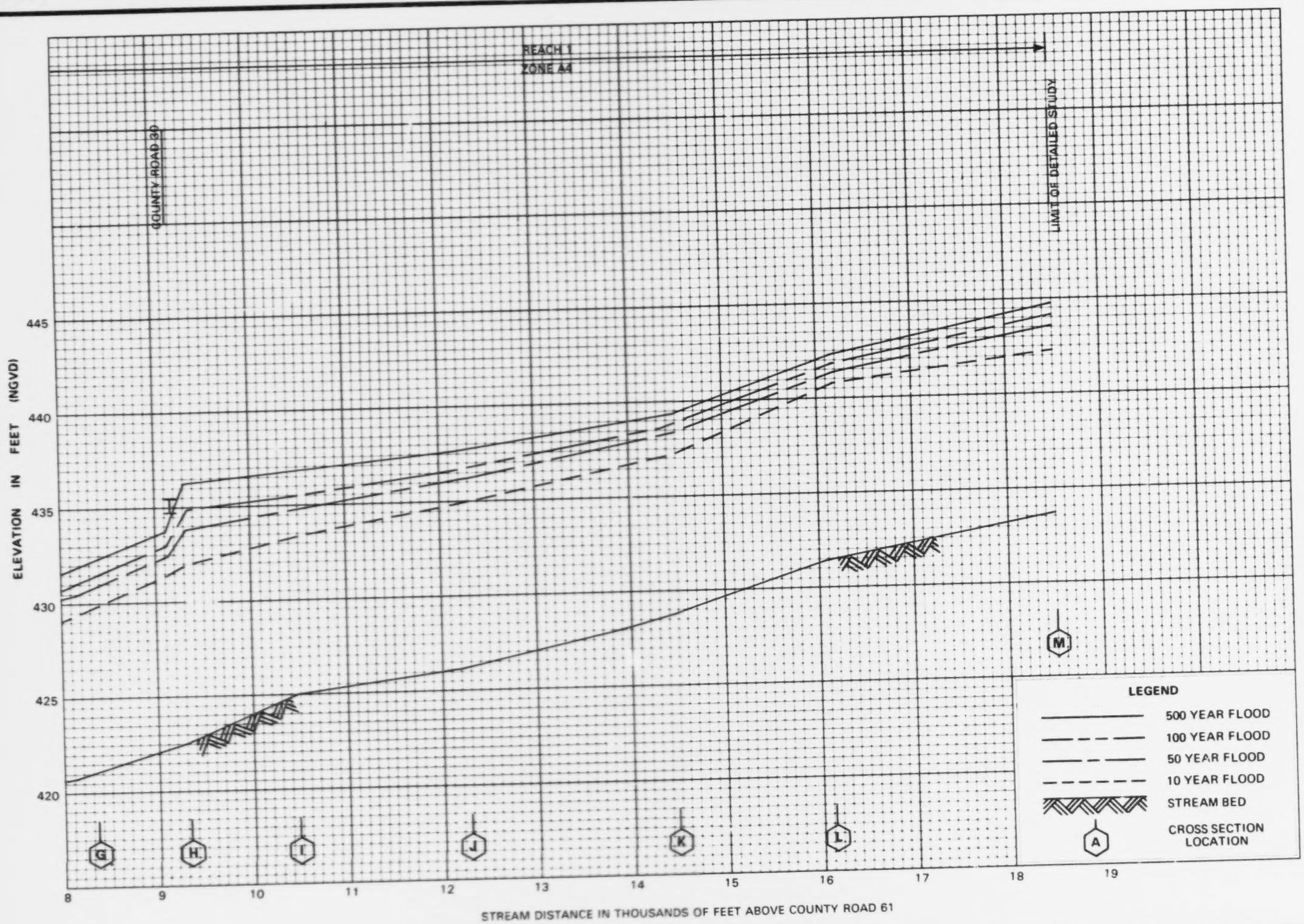


FLOOD PROFILES

BEESWAX CREEK

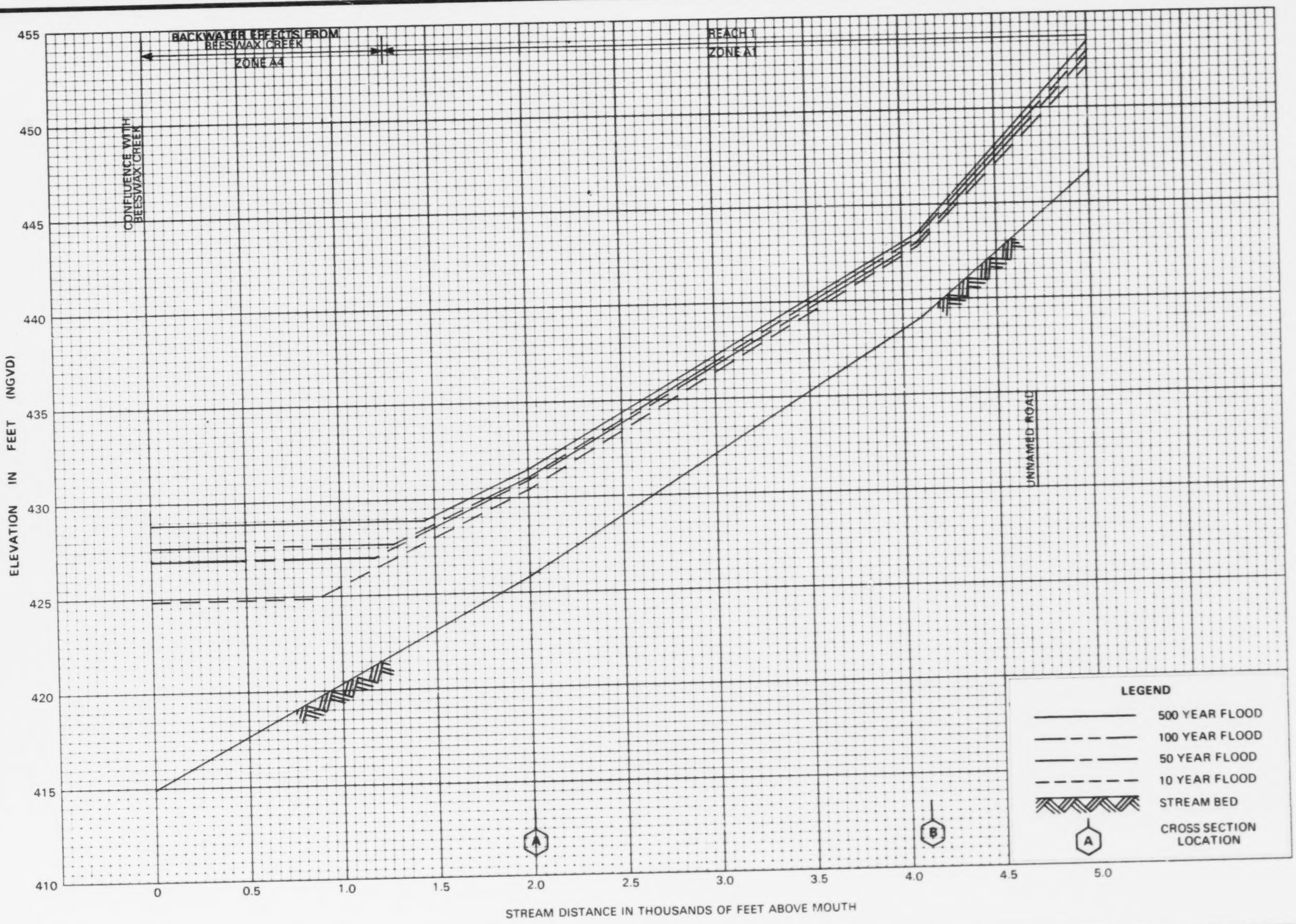
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

85P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

TRIBUTARY TO BEESWAX CREEK

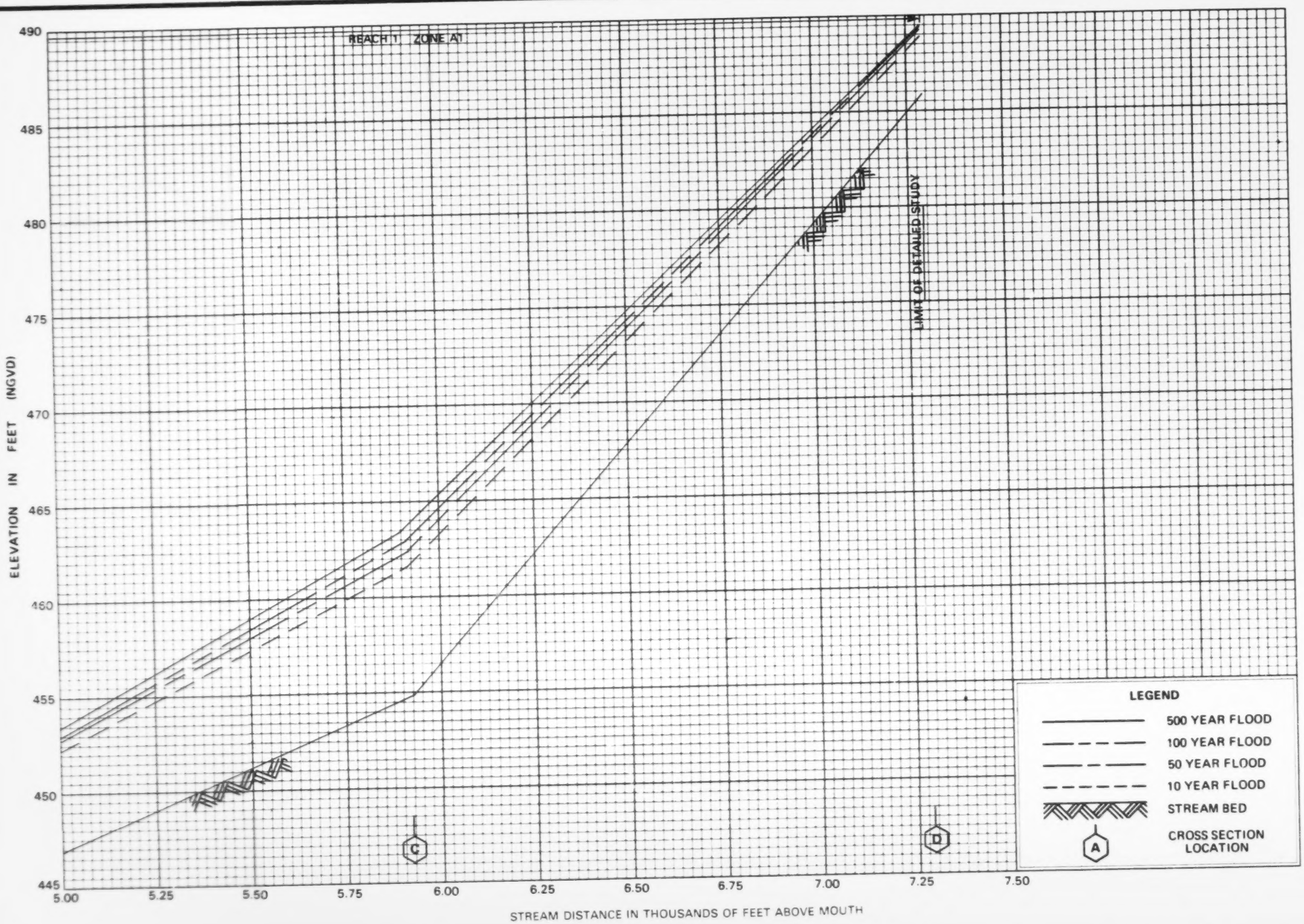
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

86P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

TRIBUTARY TO BEESWAX CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

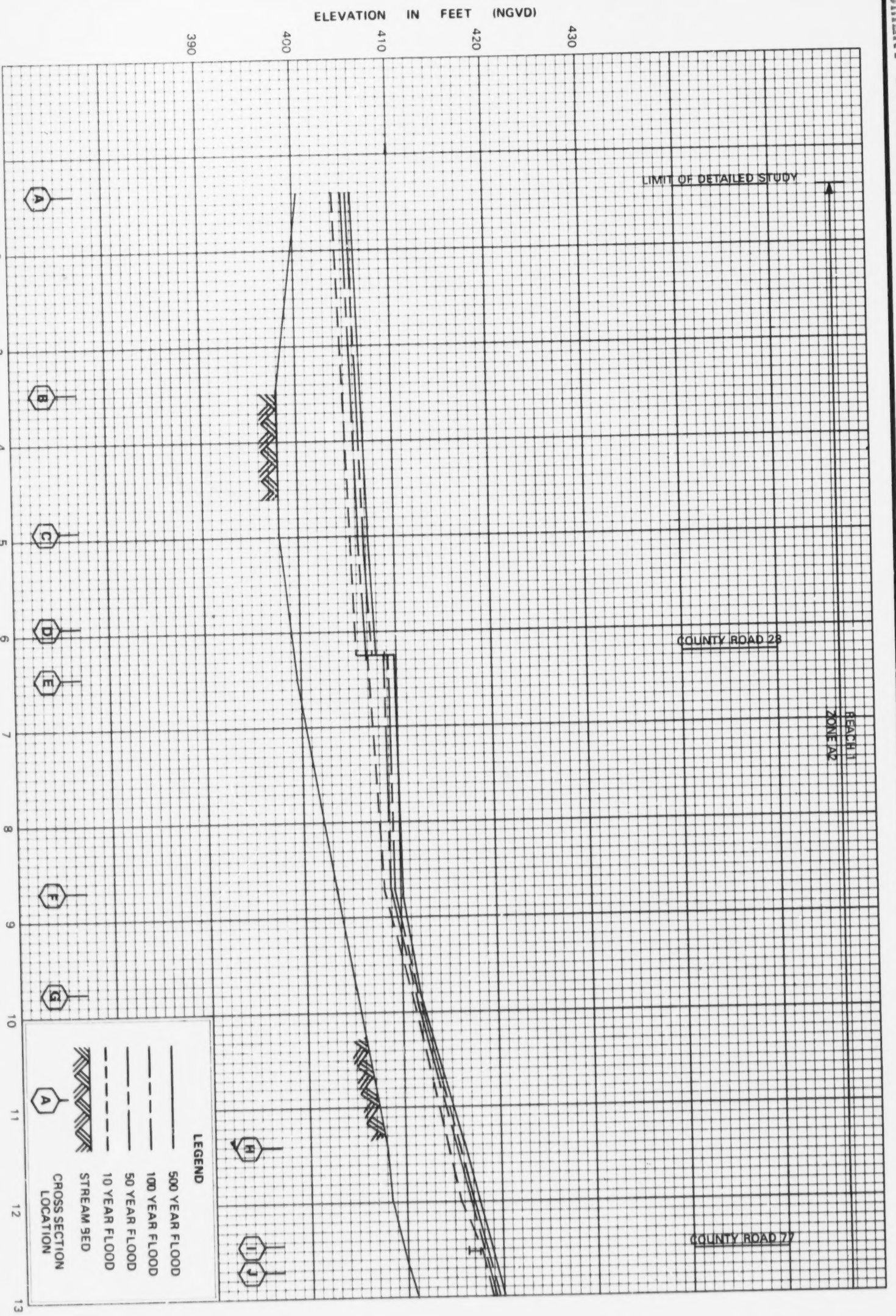
SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

87P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE

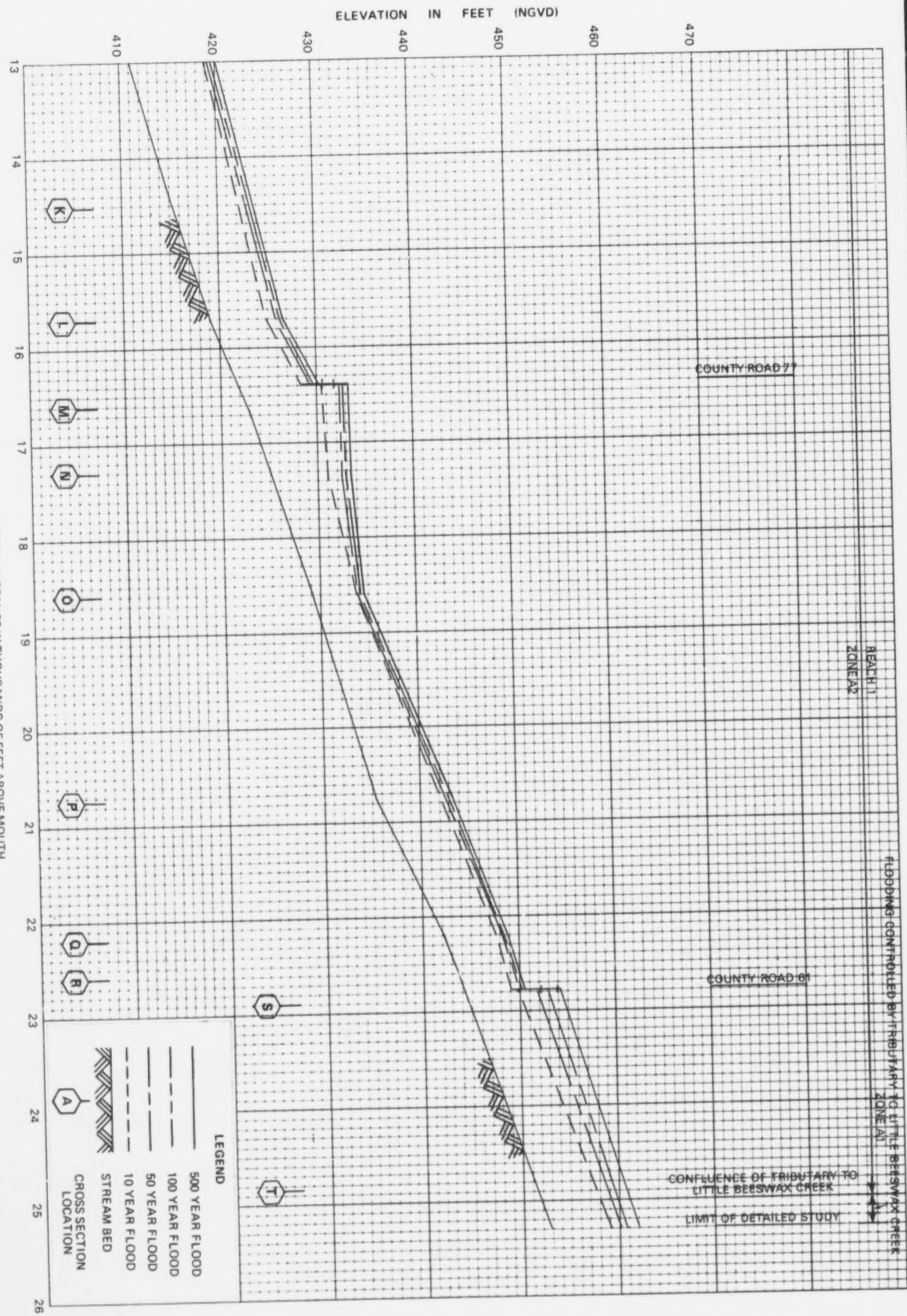


88P	FEDERAL EMERGENCY MANAGEMENT AGENCY SHELBY COUNTY, AL (UNINCORPORATED AREAS)	FLOOD PROFILES LITTLE BEESWAX CREEK

137

BEST DOCUMENT AVAILABLE

BEST DOCUMENT AVAILABLE



89P

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL

(UNINCORPORATED AREAS)

FLOOD PROFILES

LITTLE BEESWAX CREEK

BEST DOCUMENT AVAILABLE

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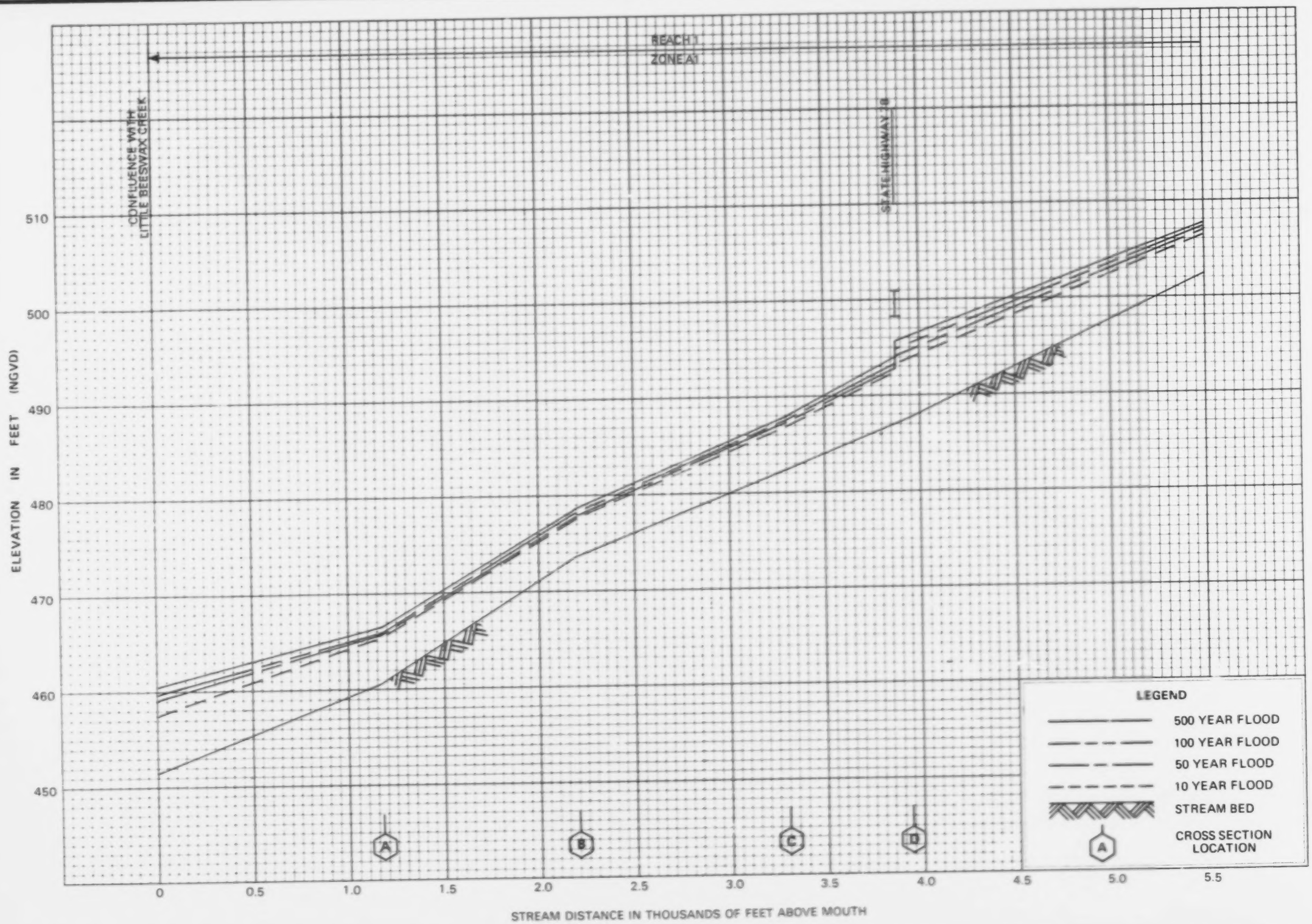


FLOOD PROFILES

TRIBUTARY TO LITTLE BEESWAX CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

90P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE

REACH 1
ZONE A1

LIMIT OF DETAILED STUDY

ELEVATION IN FEET (NGVD)

550
540
530
520
510
500

E
F
G

5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0

STREAM DISTANCE IN THOUSANDS OF FEET ABOVE MOUTH

LEGEND

- 500 YEAR FLOOD
- 100 YEAR FLOOD
- 50 YEAR FLOOD
- 10 YEAR FLOOD
- STREAM BED
- A — CROSS SECTION LOCATION

FLOOD PROFILES

TRIBUTARY TO LITTLE BEESWAX CREEK

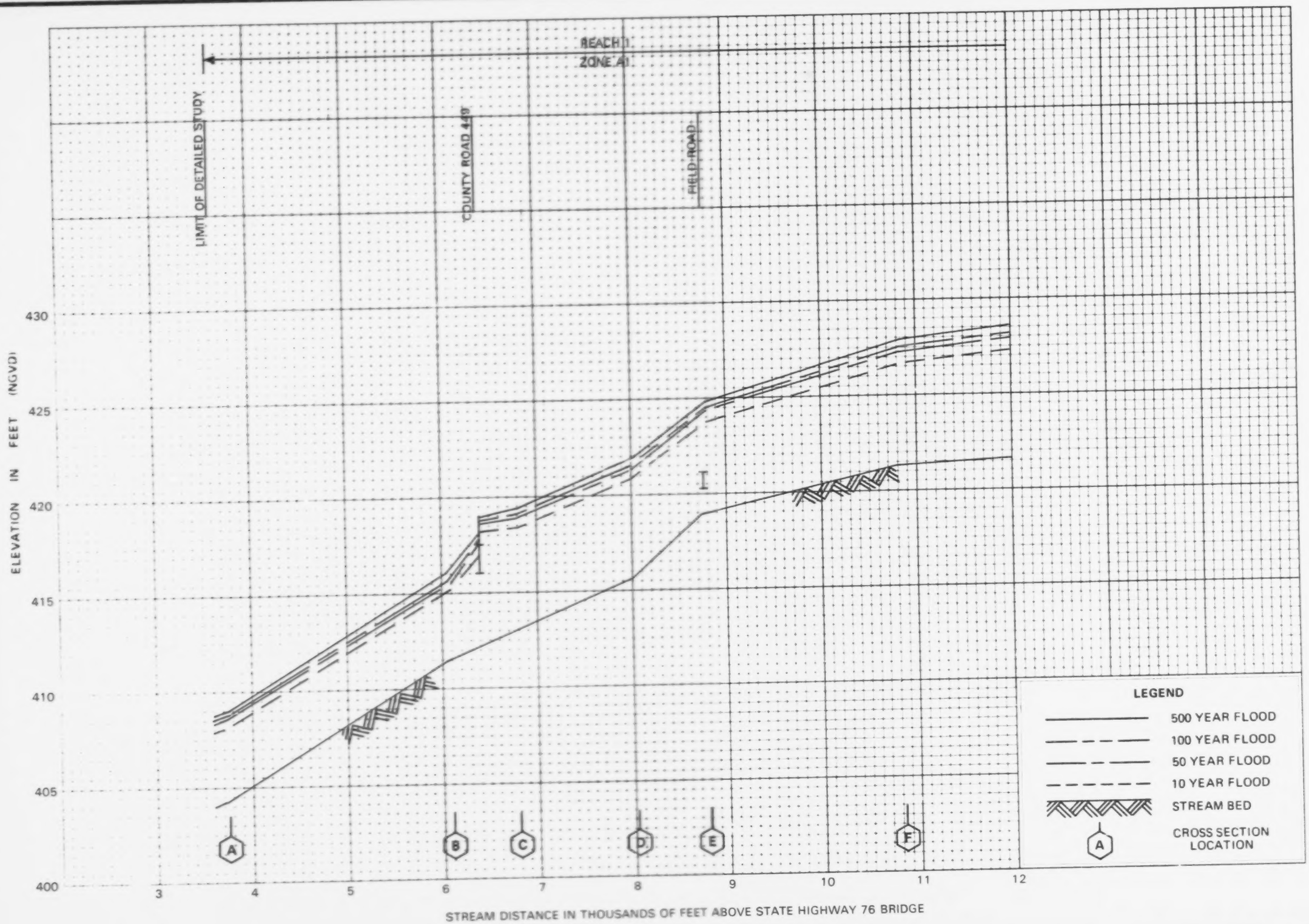
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

91P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

WALTHALL BRANCH

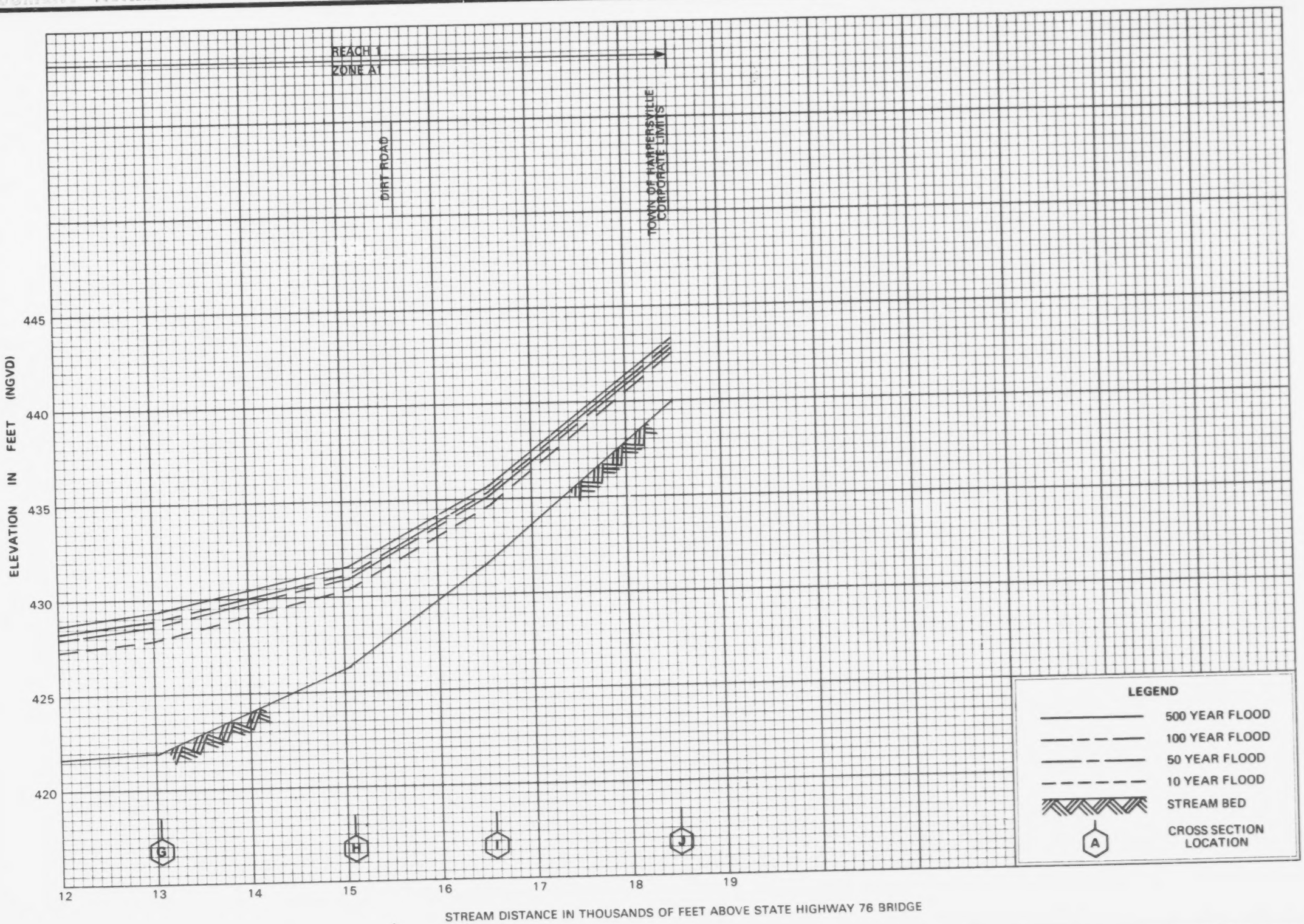
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

92P

BEST DOCUMENT AVAILABLE

T DOCUMENT AVAILABLE



FLOOD PROFILES

WALTHALL BRANCH

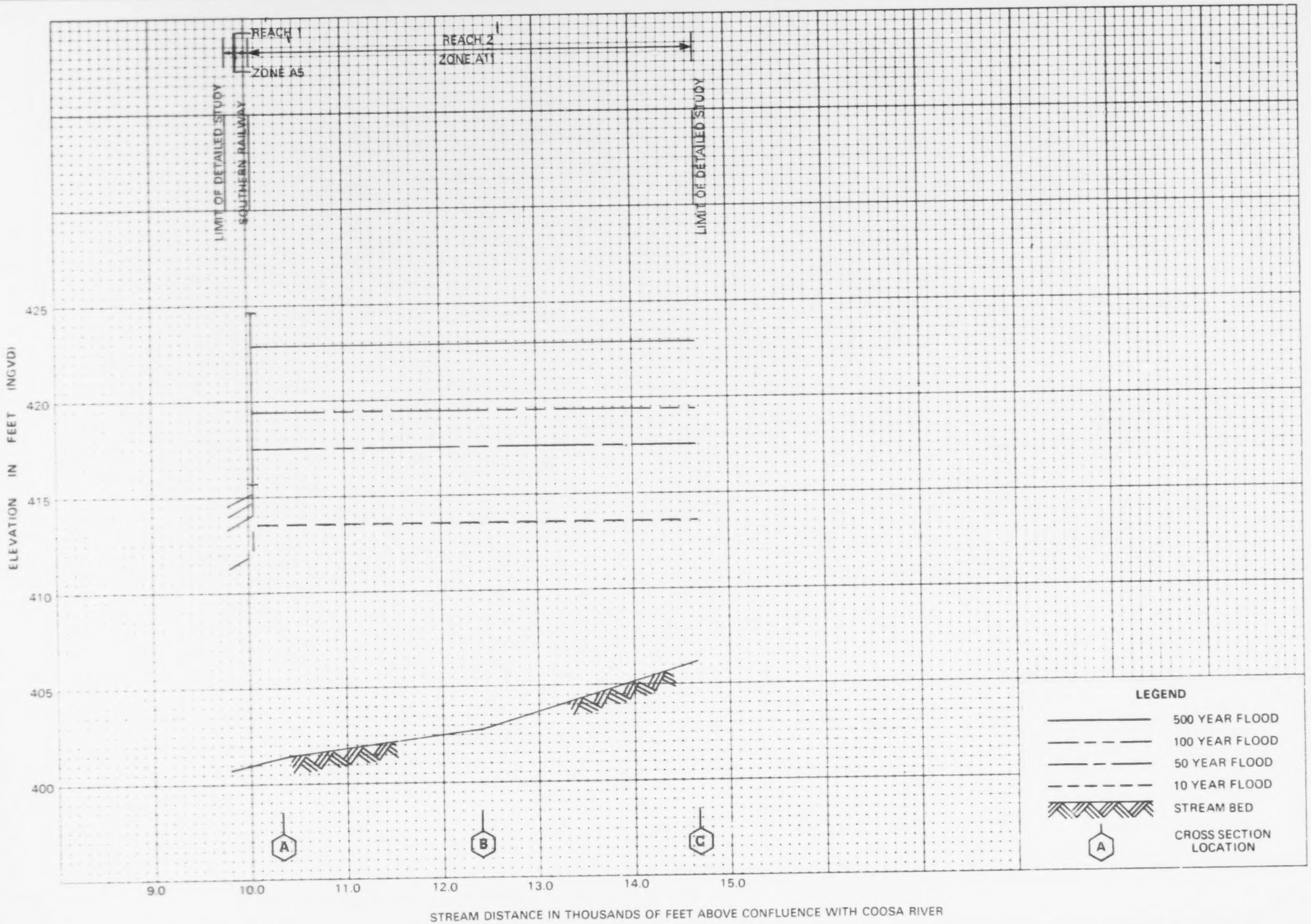
FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

93P

BEST DOCUMENT AVAILABLE

DOCUMENT AVAILABLE



FLOOD PROFILES

LOCUST CREEK

FEDERAL EMERGENCY MANAGEMENT AGENCY

SHELBY COUNTY, AL
(UNINCORPORATED AREAS)

94P

BEST DOCUMENT AVAILABLE